Construction News

★Denotes work advertised in ENGINEERING NEWS.
✚Denotes contract awarded. The names of bidders awarded contracts are set in CAPITALS.

STEADY GAIN IN EASTERN BUILDING

Contemplated building operations in 23 cities in the Eastern States from plans filed in April show a gain of $4,000,000 or 16% compared with the same month last year. This gain is progressive for in March it was only slightly over $1,000,000, in February $3,000,000 and in January about the same. It is the largest gain recorded for more than a year. For the first four months the gain in these cities aggregated $9,000,000 or 11%.

A falling off of $1,000,000 is recorded in 25 Central cities, compares with one of more than $3,000,000 last month and nearly as much in each of the two previous ones. The loss of $1,300,000 in 14 Southern cities compares with one of over $2,500,000 in the previous month. Even on the Pacific coast in the Western States there is a loss of slightly more than $1,000,000 in April compared with $4,000,000 last month and nearly $19,000,000 during the first four months of the year.

EASTERN STATES

	Month of April		First Four Months of Year	
	1915	1914	1915	1914
Albany, N. Y.	$285,745	$1,156,595	$1,246,005	$2,454,210
Bridgeport, Conn.	1,493,413	233,844	2,311,149	1,200,882
Buffalo, N. Y.	1,190,000	1,280,000	2,708,000	2,871,000
Elizabeth, N. J.	141,575	193,774	359,581	576,480
Hartford, Conn.	582,602	447,143	1,609,804	1,284,540
Hoboken, N. J.	57,600	105,473	431,790	359,122
Jersey City, N. J.	694,000	46,171	1,663,870	1,152,716
Newark, N. J.	949,846	754,142	2,888,337	2,676,529
New Bedford, Mass.	437,520	392,150	1,193,782	1,336,449
New Haven, Conn.	465,320	249,485	2,097,800	1,230,939
New York, N. Y.				
Bronx	2,917,300	1,795,975	10,089,475	5,946,130
Brooklyn	4,808,365	4,890,150	11,636,665	13,849,400
Manhattan	5,834,740	4,371,000	22,781,765	15,817,490
Queens	2,374,065	2,269,625	6,307,466	6,092,502
Paterson, N. J.	124,426	293,448	332,511	489,114
Philadelphia, Penn.	3,449,900	3,075,905	12,323,700	11,297,825
Pittsburgh, Penn.	974,283	1,158,225	2,055,385	5,298,446
Portland, Maine	177,734	85,000	.....	.....
Reading, Penn.	111,375	87,200	383,900	768,975
Rochester, N. Y.	1,159,257	1,156,109	2,786,581	2,658,416
Scranton, Penn.	118,952	157,383	316,696	372,845
Springfield, Mass.	365,475	450,460	1,884,833	1,404,713
Syracuse, N. Y.	271,474	364,475	1,171,105	591,180
Utie?, N. Y.	573,365	277,005	729,795	377,390
Wilkes-Barre, Penn.	119,746	86,194	.....	.....
Worcester, Mass.	542,860	451,522	1,040,69?	1,393,046
Totals	$30,221,216	$26,044,253	$90,350,691	$31,479,738

CENTRAL STATES

	Month of April		First Four Months of Year	
	1915	1914	1915	1914
Akron, Ohio	$355,410	$627,265	$875,755	$1,209,980
Canton, Ohio	217,520	107,100	477,495	292,120
Chicago, Ill.	6,820,700	9,465,800	24,756,650	27,401,750
Cincinnati, Ohio	1,317,485	964,425	2,624,604	2,725,660
Cleveland, Ohio	3,076,385	2,594,115	9,948,425	9,361,000
Columbus, Ohio	465,055	683,555	1,222,705	1,754,205
Davenport, Iowa	108,022	256,998	237,682	807,873
Des Moines, Iowa	225,223	181,178	461,983	621,628
Detroit, Mich.	3,012,790	2,930,860	8,079,305	10,888,325
Duluth, Minn.	340,178	440,491	679,100	1,089,012
Evansville, Ind.	70,198	179,717	627,010	516,824
Ft. Wayne, Ind.	238,520	388,550	.....	.....
Grand Rapids, Mich.	298,394	135,934	743,195	1,798,522
Indianapolis, Ind.	776,511	1,036,716	2,240,517	2,594,380
Kansas City, Kan.	147,560	113,995	403,685	376,121
Kansas City, Mo.	1,125,170	735,665	3,257,975	4,190,260
Milwaukee, Wis.	1,173,693	1,353,040	2,729,319	2,969,204
Minneapolis, Minn.	1,951,035	1,912,290	4,620,160	5,008,715
Oak Park, Ill.	219,560	347,660	744,680	771,615
Omaha, Neb.	389,420	593,035	1,171,455	1,315,815
Peoria, Ill.	317,305	179,650	704,230	806,010
St. Louis, Mo.	986,719	1,734,412	4,051,332	4,946,051
St. Paul, Minn.	829,914	1,204,759	3,148,850	4,434,224
Toledo, Ohio	959,042	772,144	2,714,204	2,170,366
Youngstown, Ohio	219,505	470,035	579,010	773,437
Totals	$25,641,314	$26,672,389	$77,099,345	$88,823,697

SOUTHERN STATES

	Month of April		First Four Months of Year	
	1915	1914	1915	1914
Atlanta, Ga.	$446,337	$629,844	$1,459,511	$1,847,844
Birmingham, Ala.	169,701	318,144	533,144	1,021,424
Chattanooga, Tenn.	44,295	219,490	147,412	494,995
Dallas, Tex.	492,175	565,335	1,104,055	2,354,518
Ft. Worth, Tex.	81,495	214,050	343,755	829,648
Houston, Tex.	178,833	352,638	615,666	1,104,782
Louisville, Ky.	282,400	451,820	1,160,235	1,580,485
Memphis, Tenn.	438,355	420,080	987,828	1,427,225
New Orleans, La.	339,571	218,350	778,278	857,804
Norfolk, Va.	163,218	312,630	636,506	977,075
Richmond, Va.	370,114	557,131	1,073,964	1,557,250
San Antonio, Tex.	131,955	324,760	432,380	1,425,115
Tampa, Fla.	90,440	96,290	289,690	445,235
Washington, D. C.	1,029,020	851,309	3,105,007	3,651,088
Totals	$4,240,818	$5,531,871	$12,667,431	$19,574,488

WESTERN STATES

	Month of April		First Four Months of Year	
	1915	1914	1915	1914
Denver, Colo.	$326,590	$225,403	$850,425	$972,536
Los Angeles, Calif.	1,566,804	1,898,304	4,112,217	6,627,321
Oakland, Calif.	530,302	405,540	1,575,659	1,620,546
Portland, Ore.	559,415	769,500	1,747,600	2,702,595
Salt Lake City, Utah	252,852	321,200	695,592	862,800
San Diego, Calif.	80,475	240,805	515,555	1,030,674
San Francisco, Calif.	1,646,374	1,707,064	4,728,145	17,587,635
Seattle, Wash.	837,105	1,227,930	2,289,245	3,911,285
Spokane, Wash.	126,725	214,610	343,095	359,115
Tacoma, Wash.	47,889	105,303	356,688	520,096
Totals	$6,074,511	$7,115,659	$17,214,221	$36,194,603

RAILWAYS

Florida—Charlotte Harbor & Northern Ry.—This company contemplates the extension of its line from Ridgewood to Bartow, about four miles. L. M. Fonts, Boca Grande, Fla., is Vice-Pres. and Gen. Mgr.

✚**Florida**—Seaboard Air Line Ry.—It is reported that this company has awarded a contract to A. F. LANGFORD for the extension of its Lake Wales line from Bayard toward Lake Kissimmee, about 16 miles.

Mississippi—Surveys have been started for the construction of the proposed railway from Yazoo City to Carthage, Miss., about 62 miles. R. H. Douthat, Secy., Yazoo Commercial Club, is interested.

Louisiana—Texas & Pacific Ry.—Surveys are being made by this company for additional yard tracks at Alexandria, La. C. H. Chamberlain, Dallas, Tex., is Ch. Engr.

Tennessee—Whiting Lumber Co.—The construction of a railway from Butler, Tenn., to the summit of the Blue Ridge is contemplated by this company. J. M. Lacy, Elizabethton, Tenn., is Supt. of Constr

Missouri—Missouri, Oklahoma & Gulf Ry.—Plans are being made by this company for the extension of its line from Joplin to Kansas City. Alexander New, Kansas City, Mo., is Receiver.

Texas—Gulf, Colorado & Santa Fé Ry.—This company plans to expend $300,000 for the improvement of its system in Texas. F. Merritt, Galveston, Tex., is Ch. Engr.

Texas—International & Great Northern R.R.—This company has applied for permission to issue $1,000,000 in receivers' certificates for the purpose of making extensive repairs to its roadbed and tracks in Texas, on account of flood damages. James A. Baker and Cecil A. Lyon, Houston, are Receivers.

Texas—T. J. O'Donnell, Sweetwater, Tex. and W. L. Carwile, Dallas, Tex., are promoting the construction of a railway between Midland and Lamesa, about 55 miles. For a bonus of $25,000 they offer to locate the shops of the proposed road at Midland.

Nevada—Nevada Short Line R.R.—Plans are being prepared by this company for the extension of its line from Lower Rochester to Rochester, Nev. A. A. Codd, Reno, Nev., is Pres. and Gen. Mgr.

Arizona—Arizona Eastern R.R. Co.—According to press reports this company contemplates electrifying its division from Phoenix to Mesa, Ariz. C. M. Scott, Phoenix, is Supt.

✚**California**—California Southern Ry.—This company has awarded the contract to the BLYTHE CONSTRUCTION CO., Los Angeles, for the construction of a 41-mile railway from Blythe Junction to the lower Palo Verde Valley. G. W. Rice, Blythe Junction, is Ch. Engr.

ELECTRIC RAILWAYS

Lowell, Mass.—The Bay State St. Ry. Co. is considering the extension of its Varnum Ave. line from Lexington Ave. to Fowler St. R. S. Goff, Boston, is Vice-Pres. and Gen. Mgr.

New Rochelle, N. Y.—The Westchester Electric R.R. Co. has applied for a franchise to extend its Winyah Ave. line from North Ave. to the Pelham line; also for a franchise to double-track its line on Franklin Ave. William B. Wheeler, Mt. Vernon, is Supt.

Walden, N. Y.—Thomson & Wooster, Walden, is maknq surveys for the construction of the proposed electric railway to connect the line of the Orange County Traction Co., Walden, with that of the Wallkill Transit Co., Goshen.

West New York, N. J.—The Board of Directors of the Board of Trade are agitating the construction of a crosstown trolley line to the West New York Ferry. C. B. Herman, Bergenline Ave. and 17th St., West New York, is interested.

Germantown, Penn.—The Business Men's Association is considering the construction of an electric railway in East Germantown.

✚**McConnellsburg, Penn.**—The McConnellsburg and Ft. London Ry. Co. has awarded the contract to REED & CO., Hazelton, for the construction of an electric railway from McConnellsburg to Ft. London. Noted Mar. 11.

Mayfield, Ky.—Plans are being made to revive the project to construct an electric railway from Mayfield, Ky., to Humboldt, Tenn. R. H. McNeely, Paducah, Ky., is interested.

Columbus, Ohio—The City Council has granted a franchise to the East Linden Electric Ry. Co. to construct an electric railway on Leonard and Joyce Ave.

Joliet, Ill.—Work will soon be started on the construction of the proposed extension of the Hickory St. line in Joliet from Smith St. to Theilers Park by the Chicago & Joliet Electric Ry. Co. J. R. Blackhall, Joliet, is Gen. Mgr.

Quincy, Il.—The Quincy Ry. Co. contemplates the reconstruction of its line on Maine St. from Eighth to 18th St. H. J. Vance, Peoria, is Pur. Agt.

Iowa City, Iowa—The Iowa City Electric Ry. Co. is making plans for the extension of its line to the Manville Heights Addition. J. O. Schulze, Iowa City, is Pres., Gen. Mgr. and Pur. Agt.

Kansas City, Mo.—The Kansas City Ry. & Light Co. plans to construct 14 miles of double-track extensions in Kansas City. John M. Egan is Pres.

Springfield, Mo.—The Springfield Ry. & Light Co. contemplates the construction of an extension of the Monroe St. line to Phelps Grove Park, Springfield. Charles H. Guckel is Gen. Mgr.

Cleburne, Tex.—John W. Floore, Sr., who recently purchased the street railway system of the Cleburne St. Ry. Co. at receiver's sale will make extensive improvements to the property. The system embraces six miles of track.

Corpus Christi, Tex.—J. H. Caswell, San Diego, Calif., and associates plan to construct a system of interurban electric railways in this section and to build a local system of street railways. The interurban lines will run from Corpus Christi to Kingsville, via Bishop; from Corpus Christi to Portland and from Corpus Christi to Oso. The construction of a large electric-power plant is planned in connection with the project.

†**Glen Rose, Tex.**—(Official)—The Glen Rose & Walnut Springs Ry. Co. has awarded the contract for the construction of its proposed electric railway from Glen Rose to Walnut Springs, about 11 miles, to the RAIL ROAD CONSTRUCTION CO., 80 Fifth Ave., New York, N. Y. Noted Oct. 1.

Houston, Tex.—The Houston, Richmond & Western Traction Co. has been organized for the purpose of constructing an interurban electric railway from Houston to Richmond, about 35 miles. The incorporators are Edward Kennedy, W. W. Thomas and J. C. Eganhouse.

Fresno, Calif.—The Fresno Interurban Ry. Co. is preparing to extend its electric line to the Gould Colony and build a spur track to the Barton Winery.

Windsor, Ont.—The Sandwich, Windsor & Amherstburg St. Ry. Co. has applied for permission to construct a loop on Ferry Ave. in Windsor. James Anderson, Windsor, is Gen. Mgr. and Pur. Agt.

Brandon, Man.—The Brandon Municipal Ry. will make the following extensions: Princess Ave. from 22nd St. to 24th St.; from the present terminals on Victoria Ave. and Princess Ave. east to Percy St.; on 18th St., from Victoria Ave. to College Ave. and along College Ave. to 13th St. R. E. Speakman is Engr. Noted May 6.

LIGHT, HEAT AND POWER

Standish, Maine—The Cumberland County Power & Light Co., Portland, has made application for a franchise to supply electricity to the town of Standish. A. H. Ford, Portland, is Gen. Mgr. of the company.

Reading, Mass.—Press reports state that the town of Reading has decided to extend its municipal electric-light service to Lynnfield, North Reading and Wilmington. Arthur G. Sias, 179 Main St., Reading, is Mgr. and Supt. of the Reading municipal plant.

Exeter, R. I.—(Official)—Bids will be received until 10 a.m., May 27, by the Board of Control and Supply, Room 18, State House, Providence, for the installation of central plant equipment and electrical work, steam work in connection with central plant, laundry equipment, water pipe extension and sewer extension for the Rhode Island School for the Feeble Minded at Exeter. William A. Schofield is Chn., Gilbert R. Parker is Secy. of the Bd.

Howard, R. I.—(Official)—Bids will be received until 10 a.m., May 27, by the Board of Control and Supply, State House, Providence, for a cold storage plant, elevator machinery and equipment for a bakery for the General Storehouse and Bakery at Howard. The Richard D. Kimball Co., 6 Beacon St., Boston, Mass., is Engr.

Syracuse, N. Y.—Bids are being received by the Board of Education for the construction of a 50x60-ft. boiler house and equipment in connection with the new vocational high school. A. E. Larkin is Pres. of the Bd.

Trenton, N. J.—The Eureka Flint & Spar Co. is preparing to build a one-story, 36x85-ft. power house.

Scranton, Penn.—It is reported that the Scranton Electric Light Co. will spend about $125,000 for improvements to its steam heating system. About 20,000 ft. of steam mains will be laid. D. D. Campbell is Vice-Pres. and Gen. Mgr.

Walkersville, Md.—The City Council has contracted with the Hagerstown & Frederick Ry. Co. to furnish the town with electricity. The company will build a transmission line, costing about $4000, from Frederick to Walkersville, a distance of five miles.

Kenova, W. Va.—It is reported that the Consolidated Light, Heat & Power Co. plans to double the capacity of its power station. A turbine to generate 8000 hp. and two Babcock & Wilcox boilers will be installed. W. W. Magoon, Huntington, is Gen. Mgr. of the company.

Ocala, Fla.—It is reported that the City Council has engaged Twombly & Henney, Consult. Engr., 55 Liberty St., New York, N. Y., to prepare plans for the improvement of the municipal electric-light plant and water-works system. The estimated cost of the work is $75,000. J. C. Caldwell, Ocala, is Supt. of the municipal light plant.

Cincinnati, Ohio—(Official)—Bids will be received until noon, May 24, by the Board of Education, City Hall, for the installation of electric-lighting systems in the College Hill School, Maple Ave., College Hill, and the Mt. Airy School, Colerain Pike and Mt. Airy Rd., Cincinnati. C. W. Handman is Business Mgr. of the Bd.

Dover, Ohio—(Official)—Bids will be received until noon, June 1, by Clifford Pease, Village Clk., for lighting the streets of the village for a period of 10 years.

Richmond, Ind.—It is reported that the City Council has voted in favor of taking over the property of the Richmond Light, Heat & Power Co., to be operated in conjunction with the municipal electric-light plant. B. A. Bescher is City Clk.

Urbana, Ill.—Bids will be received until June 1 by James B. Dibelka, State Arch., 130 North Fifth Ave., Chicago, for electrical work, heating, ventilating and plumbing equipment for the School of Education, Vivarium and Ceramics buildings of the University of Illinois, Urbana.

Manitowoc, Wis.—The Board of Education has received bids for the installation of a new heating system for the Washington School, as follows: George H. Kallies, Manitowoc, $5600; W. S. Patterson & Co., Appleton, $6162; W. A. Bowers Heating Co., Milwaukee, $6984.

Ceresco, Neb.—Bids will soon be received for the construction of a municipal electric-light plant in Ceresco to cost about $5000. G. Johnson is Village Clk. Grant & Fulton, Lincoln, is Consult. Engr. Noted Apr. 1.

Morrill, Neb.—Bids will be received until May 17 by the Village Clerk for the installation of a complete electric-lighting system for the village.

Tekamah, Neb.—A special election will be held May 18 to vote on the question of issuing $15,000, the proceeds of which will be used for the construction of a municipal electric-light plant. M. S. McGrew is City Clk.

Raymond, S. D.—It is reported that the installation of an electric-light plant in Raymond is under consideration.

Abilene, Tex.—Press reports state that the American Public Service Co., which owns the Abilene Gas & Electric Co. plans to extend the local electric service to Clyde, Putnam, Baird, Cisco, and possibly other towns in the vicinity. The plant at Abilene will serve as a distribution point, and will be equipped with two new boilers of 400 hp. each, and a new turbine engine. George H. Caffrey is Mgr. of the Abilene plant.

Maypearl, Tex.—It is reported that the Texas Power & Light Co., Dallas, plans to install an electric-light system in Maypearl.

Windom, Tex.—It is reported that the Texas Power & Light Co., Dallas, has purchased the local electric-light plant, and will remodel and improve the property. F. R. Slater, Dallas, is Gen. Supt. of the Texas Power & Light Co.

Cushing, Okla.—It is reported that the Cushing Public Service Co., recently organized for the purpose of taking over the plant of the Cushing Electric Light & Power Co., will improve the system at once at an estimated cost of $20,000. H. Askin is Mgr.

Sante Fe, N. M.—The Rio Grande Dam, Light & Power Co., Philadelphia, Penn., has applied to James A. French, State Engr. of New Mexico for permission to build a 100-ft. dam in White Rock Cañon, between Cochiti and Buckman, and to use the waters of the Rio Grande River for power development. The company plans to build a hydro-electric plant to supply power to Albuquerque, Sante Fe, Las Vegas and other towns and to irrigation plants in the Estancia Valley.

Casa Grande, Ariz.—The city has granted a franchise to F. H. Brackett and associates for the installation and operation of an electric-power plant. The plant, including the distributing system, is estimated to cost from $150,000 to $200,000. Noted Feb. 4.

Ellensburg, Wash.—All bids received Apr. 5 for the reconstruction of the municipal electric-light plant were rejected by the City Council, and new bids will be received until May 14. Reuben Crimp is City Clk. Noted Feb. 25, Apr. 1 and 29.

Lake Cushman, Wash.—It is reported that George E. Tilden, Seattle, contemplates building a power plant in or near Lake Cushman to furnish electrical service to towns in Chehalis and Pacific Counties.

Portland, Ore.—It is reported that the Portland Gas & Coke Co. is preparing to lay a 16-in. gas main in East Ninth St. The estimated cost is $50,000.

Lakeport, Calif.—The Mt. Konocti Light & Power Co. plans improvements and extensions to its plant and system to cost about $9000. A. V. Joslin, Lakeport, is Mgr.

Stockton, Calif.—Press reports state that the Western States Gas & Electric Co. of California plans to build a new hydro-electric plant on the American River this year. The estimated cost is $75,000. Samuel Kahn, Stockton, is Gen. Mgr.

Taft, Calif.—The California Natural Gas Co. will shortly lay an 8-in. gas line from the Midway to the Kern River district, a distance of 25 miles.

Tehachapi, Calif.—This city has voted a bond issue of $8000 to be used for the installation of a municipal electric-light plant. Noted Apr. 15.

Toronto, Ont.—The Toronto Electric Commission plans to build a new substation at Carlaw Ave. and Gerrard St. The estimated cost of the building is $65,000. H. H. Couzens, Toronto, is Gen. Mgr.

Kamloops, B. C.—It is reported that the city will spend about $85,000 in completing its hydro-electric power plant. The system has already cost about $500,000. C. L. Wain is Supt. and Engr. of the plant.

BRIDGES

†**Northampton, Mass.**—(Official)—The Commissioners of Hampshire County opened bids May 4 for rebuilding two piers and repairing the superstructure of the Connecticut River Bridge between Northampton and Hadley, as follows: (a) superstructure, (b) substructure): Providence Steel & Iron Co., (a) $19,600; Rendle & Stoddard, (b) $24,303; G. F. Austin, (a) and

(b), $47,500; H. P. Cummings Construction Co., (a) $20,887, (b) $56,600; Holbrook, Cabot & Rollins Corporation, (b) $32,750; Eastern Bridge & Structural Co., (a) $21,870; M. I. O'Connor, (b) $34,900; United Construction Co., (a) $22,160; H. P. Converse Co., (a) $25,291, (b) $34,224; Johson-Gifford Co., (a) $23,575; Fred T. Ley Co., (b) $35,000; Daniel O'Connell's Sons, (a) $24,000, (b) $40,000; McClintic-Marshall Co., (a) $25,270; W. L. Miller, (b) $42,772; C. A. Sibley, (a) $25,650; the Foundation Co., (b) $46,400; Berlin Construction Co., (a) $32,550. Noted Sept. 4 and Dec. 18, 1913; Jan. 7, Feb. 18, Mar. 11 and Apr. 15, 1915.

✚✚Northampton, Mass.—(Official)—The Commissioners of Hampshire County, on May 10, awarded contracts for rebuilding the Northampton-Hadley Bridge to the HOLBROOK, CABOT & ROLLINS CORPORATION, Boston, at $32,750 for the substructure, and to the PROVIDENCE STEEL & IRON CO., Providence, R. I., at $19,600 for the superstructure. See preceding item.

★✚Canton, N. Y.—We are advised by the Concrete-Steel Engineering Co., Park Row Bldg., New York, that the Town of Canton has awarded the contract for the Grasse River Bridge at Canton to the FLOOD & VAN WIRT CO., Hudson Falls, at $25,000. Noted Apr. 15.

✚Lancaster, N. Y.—(Official)—The Town Board has awarded the contract for the construction of a reinforced-concrete arch over Cayuga Creek to HOWARD L. MEYER, Bowmansville, N. Y., at $12,520. Nine other bids were received. F. H. Maute is Town Clk. Noted Apr. 22.

Syracuse, N. Y.—(Official)—Bids will be received until 1:30 p.m., May 17, by the City Council for the construction of a bridge over Onondaga Creek at West Taylor St. A bond issue of $12,000 has recently been authorized for this work. W. T. Wooley is City Engr. Noted Apr. 15.

★Wallkill, N. Y.—(Official)—Bids will be received until 2 p.m., May 29, by the Town Clerk for the construction of a concrete-steel arch over the Wallkill River. J. Grant Upwright is Town Supt. of Highways. Noted Dec. 31.

Brielle, N. J.—Press reports state that bids will be received until May 27 by the Board of Chosen Freeholders of Monmouth County, Freehold, for the construction of a bridge over a branch of the Manasquan River at Brielle.

★✚Elizabeth, N. J.—The Board of Chosen Freeholders of Union County has awarded the contract for the construction of a steel lift bridge over the Elizabeth River at Baltic St. and Trenton Ave., Elizabeth, to the LONG-BROADHURST CO., Hackensack, at $36,843, with $1500 additional if patent chain barriers are used instead of ordinary safety gates. Other bidders were: McHarg-Barton Co., New York, N. Y., $47,700; Lupfer & Remick, Buffalo, N. Y., $37,850; A. E. Smith, Plainfield, $39,400; Lincoln-Steele-Fleming Co., New York, $49,840; Sterling Engineering Co., Chicago, Ill., $52,250; Penn Bridge Co., Beaver Falls, Penn., $38,592; Snare & Triest Co., New York, $61,725; Linde-Griffith Co., Newark, $44,995; F. W. Schwiers, Jr., Co., New York, $46,478; Hudson River Co., Inc., New York, $36,915; Stillman-Delehanty-Ferris Co., Jersey City, $42,995; Toole & Lunderlin, Bridgeport, Conn., $44,000. Noted May 14, 1914; Apr. 1 and 22, 1915.

Keyport, N. J.—The Board of Chosen Freeholders of Monmouth County, Freehold, will build a new drawbridge, to replace the present swinging bridge, over Matawan Creek, near Keyport. The reported cost of the structure is $90,000, of which the county will pay half, and the Jersey Central Traction Co. the other half.

✚Red Bank, N. J.—The Board of Chosen Freeholders of Monmouth County, Freehold, has awarded the contract for repairing Cooper's Bridge over the Shrewsbury River at Red Bank to LEWIS J. SEILING, Red Bank, at $4830. Other bidders were: E. S. Ewing, Red Bank, $4940; J. Walter Butcher, Asbury Park, $5500; Samuel Craig, Red Bank, $6028; Owen J. Melee, Long Branch, $7294.

Sea Isle City, N. J.—(Official)—Bids were received May 4 by the Board of Chosen Freeholders of Cape May County, Cape May C. H., for the construction of a Strauss type double-lift bridge on concrete piling, from: Bridgeton Construction Co., Bridgeton, $27,480; Lupfer & Remick, Buffalo, N. Y., $27,750; Rennell Construction Co., 30 Church St., New York, N. Y., $28,500. The award of contract has been withheld. Frank W. Fowkes is Clk. of Bd. Noted Apr. 22.

✚Hollidaysburg, Penn.—(Official)—The Board of Commissioners of Blair County has awarded contracts for bridge work to the following: D. E. WENTZELL CO., Bellwood; WHITAKER & DIEHL, Harrisburg; CURWENSVILLE CONSTRUCTION CO., Curwensville; PAUL D. KAUFFMAN, Reading; CENTRAL CONSTRUCTION CO., Wooster, Ohio. Bids were opened May 7. Noted Mar. 18 and Apr. 22.

Indiana, Penn.—Bids will be received until May 26 by the Commissioners of Indiana County for the construction of three reinforced-concrete bridges, one of 60 ft., one of 32 ft., and the last a 25-ft. span. John Bennett is County Controller.

✚Marcus Hook, Penn.—(Official)—The Commissioners of Delaware County have awarded the contract for the construction of a bridge over Hook Creek on the Post Rd. at Marcus Hook to the CHARLES T. EASTBURN CO., Yardley, at $4000. A. F. Damon, Jr., is Engr. Noted Apr. 15.

✚Media, Penn.—(Official)—The Commissioners of Delaware County have awarded the contract for the construction of a bridge over Ridley Creek on the line of Baltimore Pike, between Middleton and Upper Providence Townships, to the CHARLES T. EASTBURN CO., Yardley, at $14,485. About 20 other bids were received. Orion L. Davis is County Controller. Noted Apr. 15.

✚✚Cumberland, Md.—(Official)—Bids were received May 5 by the Mayor and City Council for the construction of the Market St. Bridge over Wills Creek, from: VANG CONSTRUCTION CO., Cumberland, $12,200 (awarded contract); Deverell Spencer Co., $12,995; S. T. Angle, $13,300; C. W. Hotalling, $13,950; I. J. Smith & Co., $14,600; Luten Bridge Co., $15,600; Thomas Sheahan, $16,735; Rennell Construction Co., $17,496; Concrete Steel Bridge Co., $19,475. James P. Gaffney is City Engr. B. H. Davis, New York, N. Y., is Consult. Engr. Noted Apr. 8 and 22.

Bedford City, Va.—(Official)—Bids will be received until noon, May 20, by the Clerk of the Circuit Court of Bedford County for the construction of three steel bridges with concrete substructures, one each over Beaver Dam Creek, Bore Auger Creek and Goose Creek. G. P. Coleman, Richmond, is State Highway Comr.

Washington, Va.—(Official)—Bids will be received until May 15, by Wade H. Massie, Chn. Bd. of Comrs. of Rappahannock County, Washington, for the construction of a bridge across the Rappahannock River between Rappahannock and Fauquier Counties.

★✚Ranger, W. Va.—(Official)—The Lincoln County Court, Hamlin, has awarded the contract for the Guyandotte River Bridge at Ranger, to the VINCENNES BRIDGE CO., Vincennes, Ind., at $6344. A. F. Black is County Clk. Noted Apr. 1 and 15.

★Lake Charles, La.—(Official)—Bids will be received until 11 a.m., June 1, by the Police Jury of Calcasieu Parish for the construction of a reinforced-concrete arch, with a double-leaf Strauss trunnion bascule span, over the Calcasieu River near Lake Charles. F. H. Frankland is Bridge Engr. E. C. House is Clk. of Police Jury.

✚Natchitoches, La.—(Official)—The Parish Police Jury has awarded the contract for the construction of a steel bridge over the Cane River about nine miles below Natchitoches to the VINCENNES BRIDGE CO., Vincennes, Ind., at $7121. Bids were opened May 3. Noted Apr. 15.

✚Leitchfield, Ky.—(Official)—The Fiscal Court of Grayson County has awarded contracts for the construction of the substructure and superstructure of a bridge over Bear Creek to MURPHY BROS., Bowling Green, and the CHAMPION BRIDGE CO., Wilmington, Ohio, respectively. Noted Mar. 18.

Louisville, Ky.—It is reported that the Louisville & Nashville R.R. will shortly award the contract for the construction of a steel viaduct over the Eastern Parkway, Louisville. The estimated cost is $12,000. F. A. Busse, Louisville, is Bridge Engr.

Louisville, Ky.—See item under "Miscellaneous."

✚Akron, Ohio—(Official)—The Board of Commissioners of Summit County has awarded the following contracts for bridge construction: Rebuilding the Feeder Bridge on Manchester Rd. to W. J. YOCKEY, South Akron; superstructure of the Louis Young Bridge on Manchester Rd., LACKAWANNA BRIDGE CO., Buffalo, N. Y.; superstructure of the Peninsula Canal Bridge, in Boston Township, G. W. LANE, Newark, Ohio; substructures of the Louis Young and Peninsula Canal Bridges, HUMPHREY BROS., Cuyahoga Falls. Noted Apr. 15.

Ashland, Ohio—Bids will be received until May 17 by the Board of Commissioners of Ashland County for the purchase of $60,000 in bridge bonds.

✚Bryan, Ohio—The Commissioners of Williams County have awarded the contract for the construction of one 50-ft. and three 70-ft. low-truss steel bridges to the ELKHART BRIDGE & IRON CO., Elkhart, Ind., at about $6000. The contract for a 144-ft. steel bridge was awarded to the BROOKVILLE BRIDGE CO., Brookville, Ohio. Noted May 6.

Canton, Ohio—(Official)—Bids will be received until 10 a.m., May 28, by the Board of Commissioners of Stark County for the construction of a plate girder bridge over Nimishillen Creek on Eighth St., N. E., and for rebuilding and repairing the bridge over Nimishillen Creek on Tuscarawas St., W., both in the City of Canton. C. L. Stoner is Clk. of Comrs. Noted Apr. 29.

Cincinnati, Ohio—It is reported that the Cincinnati & Covington Bridge Co. plans to extend and remodel the suspension bridge over the Ohio River between Cincinnati and Covington, Ky. The estimated cost of the work is $100,000. A. Clifford Shinkle, Cincinnati, is Pres., Charles H. Fisk, Covington, is Secy. of the Covington & Cincinnati Bridge Co.

Cincinnati, Ohio—Press reports state that the receivers of the Cincinnati, Hamilton & Dayton Ry. have authorized the construction of three steel railway bridges to cost about $200,000. They will be placed at Troy and Sidney, Ohio, and over the Wabash River at Montezuma, Ind. Judson Harmon, Cincinnati, is Receiver for the railway.

Cleveland, Ohio—Bids will be received until noon, May 19, by the Commissioner of Purchases and Supplies, 511 City Hall, for painting various city bridges. Robert Hoffman is City Engr.

Columbus, Ohio—Bids will be received until June 4 by the Board of Commissioners of Franklin County for the following bridge work: Shrivers Bridge over Hayden Run, Washington Township, a concrete arch; constructing the west approach to the Agler bridge over Alum Creek on the Agler Rd., Mifflin Township; the Taylor concrete bridge over the Kidner and Taylor Pike, Plain Township; extending and repairing the Souder Pike Bridge, Jefferson Township.

✚Jefferson, Ohio—(Official))—The Board of Commissioners of Ashtabula County has awarded the contract for the construction of a bridge over Mill Race, Harpersfield Township, to STEWART & WISWELL, Windsor, Ohio. Noted Apr. 15.

✚Toledo, Ohio—(Official)—The Board of Commissioners of Lucas County has awarded contracts for bridge construction and repairs to the following companies: E. N. OBERLE, Grand Rapids, Ohio; EMIL WOLFF, Grosser Ave., East Toledo; CHARLES T. RYAN, Maumee; WYNKOOP-McGORMLEY CO., Toledo; STANDARD ENGINEERING CO., Toledo; M. RABBITTS & SON CO., Toledo; JOHN MATHISS, Detroit Ave., Toledo. Noted Apr. 15.

✚Wauseon, Ohio—(Official)—The Board of Commissioners of Fulton County has awarded contracts for building abutments for a bridge over Bean Creek to MENGARICK BROS., Napoleon, at $1157, and for a bridge and abutments over Bean Creek in Franklin Township to FRANK KLING, Wauseon, at $3760. Noted Apr. 8.

✚Corydon, Ind.—(Official)—The Board of Commissioners of Harrison County has awarded the contract for the construction of a 100-ft. bridge across Indian Creek on the Corydon-New Albany Rd. to the VINCENNES BRIDGE CO., Vincennes. Noted Apr. 29.

✚Crawfordsville, Ind.—(Official)—The Board of Commissioners of Montgomery County has awarded the contract for

the construction of three small bridges and the repair of three others, to DANIEL Y. STOUT, Crawfordsville. Noted Apr. 22.

✚Rensselaer, Ind.—(Official)—The Board of Commissioners of Jasper County has awarded the contracts for bridge work to the following: W. V. PORTER, Rensselaer, three bridges; JOHN DANIELS, Rensselaer, three bridges; E. H. CROWELL, Crown Point, and WINAMAC CONSTRUCTION CO., Winamac, one bridge each. Noted Apr. 22.

✚Salem, Ind.—(Official)—The Commissioners of Washington County have awarded the contract for a number of county bridges to the MONTGOMERY-PARKER CO., Hatfield, Ind., at $19,400. Noted Apr. 22.

✚Winamac, Ind.—(Official)—The Commissioners of Pulaski County have awarded contracts for the construction of 12 bridges, estimated to cost $9000, to the following: F. M. WILLIAMS, Winamac, seven bridges; BADER & COLLINS, Winamac, one bridge; ROCHESTER BRIDGE CO., Rochester, Ind., four bridges. Noted Apr. 22.

Detroit, Mich.—The Belle Isle Bridge, which was recently destroyed by fire, will be replaced as soon as possible by a reinforced-concrete structure to cost at least $2,000,000. A temporary bridge will be built at once. R. H. McCormick is City Engr.

Carthage, Ill.—(Official)—Bids will be received until 11 a.m., May 18, by William Burgner, Supt. of Highways of Hancock County, Carthage, for the construction of a steel bridge on concrete abutments between Lima Township, Adams County, and Walker Township, Hancock County. The estimated cost is $5700.

Rockford, Ill.—At an election held Apr. 20 the citizens voted in favor of the following bond issues: $4500 for a bridge over Keith's Creek on 11th St.; $15,000 for a bridge over Keith's Creek on Kishwaukee St.; $15,000 for a bridge over Keith's Creek on Tenth St. Edwin Main is City Engr.

DePere, Wis.—(Official)—Bids will be received until May 29 by E. W. Janssen, City Clk., for repairing the Main St. Bridge over the Fox River. The work includes repairing and painting the steel, repairing the creosoted roadway and sidewalk. The estimated cost is $21,000. H. R. Alberts, Green Bay, is Engr. Noted Mar. 25 and Apr. 29.

Clarion, Iowa—Bids will be received until 1:30 p.m., May 18, by F. E. Osier, Audr. of Wright County, for the construction of 10 county bridges.

Des Moines, Iowa—(Official)—We are advised by E. Tracy Blaghern, Ch. Clk., City Engineering Dept., that the date for receiving bids for a bridge over Four-Mile Creek has not yet been fixed. The bridge will probably be a reinforced-concrete arch, and the estimated cost is $10,000. Bids will be received by Horace Susong, City Clk. Noted Apr. 29.

✚Ft. Dodge, Iowa—(Official)—The Board of Supervisors of Webster County has awarded contracts to the DES MOINES BRIDGE & IRON WORKS, Des Moines, at $13,317 for the construction of 13 bridges, and to N. M. STARK & CO., Des Moines, at $4815 for constructing seven bridges. There were 16 other bidders. Noted Apr. 22.

✚Marshalltown, Iowa—The Minneapolis & St. Louis R.R. and the Chicago & Northwestern Ry. have awarded the contract for the construction of a viaduct over their tracks on South Third Ave., Marshalltown, to the JOHN J. O'HERON CO., 326 West Madison St., Chicago, Ill., at about $75,000. The structure will be of reinforced concrete, 1146 ft. long, and 32 ft. wide.

Montezuma, Iowa—(Official)—We are advised by W. C. McKee, Audr. of Poweshiek County, that the county will furnish the material and have 17 concrete bridges and culverts, recently declared necessary, constructed by county forces. Noted Apr. 29.

Northwood, Iowa—Bids will be received until 2 p.m., May 21, by C. N. Urdahl, Audr. of Worth County, for the construction of six concrete or steel bridges.

Brainerd, Minn.—(Official)—Bids will be received until 2 p.m., June 1, by the Board of Commissioners of Crow Wing County for redecking with creosote blocks the Laurel St. Bridge, and for improving and redecking with creosote blocks the old Minnesota and International Ry. Bridge, both bridges being over the Mississippi River. C. W. Mahlum is County Audr.

Deer Wood, Minn.—(Official)—Bids will be received until 2 p.m., June 1, by C. W. Mahlum, Audr. of Crow Wing County, Brainerd, for repairing the Mississippi River Bridge north of Deer Wood.

✚Bloomington, Neb.—(Official)—The Commissioners of Franklin County have awarded the contract for the construction and repair of all county bridges for a period of one year from date of contract, to the LINCOLN CONSTRUCTION CO., Lincoln. O. Muckel is County Clk. Noted Apr. 22.

Butte, Neb.—Bids will be received until 1 p.m., May 25, by S. A. Richardson, County Clk. of Boyd County, for the construction of a number of concrete bridges.

✚Ord, Neb.—(Official)—The Commissioners of Valley County have awarded the contract for the construction of a number of bridges to the CANTON BRIDGE CO., Canton, Ohio. William A. Bartlett is County Clk. Noted Apr. 22.

Wayne, Neb.—Bids will be received until noon, May 21, by C. W. Reynolds, Clk. of Wayne County, for the construction of county bridges as ordered by the County Commissioners during 1915. All bids received in January were rejected. Noted Jan. 14 and Feb. 25.

Medora, N. D.—(Official)—We are advised by Jay W. Bliss, State Engr., that, although plans have been prepared for a bridge across the Little Missouri River at Medora, the estimated cost of which is $17,805, bids for its construction will probably not be asked this year. Noted Apr. 29.

Oregon, Mo.—Bids will be received until 2 p.m., May 21, by the Commissioners of Holt County for the construction of five steel bridges and 16 concrete culverts.

El Paso, Tex.—It is reported that the cities of El Paso and Juarez, Mex., are considering plans for building a free bridge over the Rio Grande River to connect the two towns. George Espy is City Engr.

✚Lockhart, Tex.—The Commissioners Court of Caldwell County has awarded the contract for a number of concrete bridges and culverts to AUSTIN BROS., Dallas, at about $15,000.

✚Silver City, N. M.—The contract for the construction of a five-span steel bridge across the Gila River has been awarded to the EL PASO BRIDGE & IRON CO., El Paso, Tex., at $14,376.

Globe, Ariz.—The city is receiving bids for the construction of a 184-ft. steel viaduct with 16-ft. roadway and 4-ft. sidewalk. H. C. Hansen is City Clk. R. A. Smith is City Engr. Lanning & Sawyer, Miami, Ariz., is Consult. Engr.

Chehalis, Wash.—It is reported that the Commissioners of Lewis County are receiving bids for the construction of an 800-ft. trestle on the Thomas Deverese Rd.

Seattle, Wash.—Bids will be received until May 17 by the Board of Commissioners of King County for the construction of a 880-ft. trestle on Wells Rd.

✚Seattle, Wash.—(Official)—The contract for the construction of a bridge over the Duwamish Waterway at Eighth Ave. S., has been awarded to the J. A. McEACHERN CO., Central Bldg., Seattle, at $24,205. F. A. Rapp is Structural Engr. List of bidders noted Apr. 29.

Tacoma, Wash.—(Official)—We are advised by E. O. Reeder, Asst. Ch. Engr. of the Chicago, Milwaukee & St. Paul Ry., that plans for the new bridge over Bay St. are not yet matured, but no contracts for the work will be awarded. The bridge will be a single-track steel girder span on concrete piers or abutments. Noted Apr. 29.

Lebanon, Ore.—It is reported that the Linn County Court, Albany, has decided to build a steel bridge across the South Fork of the Santiam River near Lebanon. The estimated cost is $15,000.

Portland, Ore.—See item under "Miscellaneous."

✚Oakland, Calif.—The Board of Supervisors of Alameda County has awarded the contract for the construction of a reinforced-concrete bridge near Oakland to THOMAS B. RUSSELL, Hayward, at $8590.

San Jose, Calif.—It is reported that bids are being received by the Board of Supervisors of Santa Clara County for the construction of a reinforced-concrete bridge over Los Gatos Creek. H. A. Pfister is Clk. of the Bd.

Stockton, Calif.—(Official)—Bids will be received until 10 a.m., June 8, by the Board of Supervisors of San Joaquin County for the construction of the Old and Middle River Bridges. The work includes two 260-ft. draw spans, two 135-ft. approach spans and three 95-ft. approach spans, with concrete pile or cylinder piers. The estimated cost is $130,000. F. E. Quail is County Surv. Noted Mar. 25.

WATER SUPPLY—IRRIGATION

✚Boston, Mass.—The contract has been awarded to JOHN GUARINO at $18,330, for laying water mains in Brighton, Dorchester, Hyde Park, Roxbury and West Roxbury. Noted Apr. 8.

Salem, Mass.—Bids will be received until May 17 by P. J. Kelley, Dir. of Pub. Wks., for constructing a covered concrete reservoir. William S. Johnson, 101 Tremont St., is Consult. Engr.

Shrewsbury, Mass.—All bids received Apr. 24 for the installation of a water system have been rejected as they exceeded the appropriated amount. New bids will soon be called for. Noted Feb. 11, Apr. 24 and May 6.

Hartford, Conn.—The city contemplates installing a purification plant for the water system. Robert Spurr Weston, 14 Beacon St., Boston, Mass., is Consult. Engr., and C. M. Saville is Ch. Engr.

★Albion, N. Y.—(Official)—Bids will be received until noon, May 26, by the village for making extensions to the water system. Edward S. Eaton is Village Clk. and the J. F. Witmer Co., Buffalo, is Engr.

Batavia, N. Y.—(Official)—A report is being prepared by Chester & Fleming, Pittsburgh, Penn., for improvements to the water system and changes in the sewerage system and electric-light plant. Noted Apr. 15.

Elmira, N. Y.—The Elmira Water, Light & R.R. Co. has sold its water system to the city at $1,500,000. Harry M. Beardsley, Elmira, is Gen. Mgr.

✚★Gilbertsville, N. Y.—(Official)—Bids were received May 6 for constructing a storage reservoir as follows: SUBURBAN ENGINEERING CO., 15 West 38th St., New York, at $17,787 (awarded contract); Charles R. Lewis, Utica, $19,382; Samuel Boon, Syracuse, $19,720; Young & Hyde, Inc., New York, $20,237; and John J. Fitzpatrick, Plattsburg, $20,315. E. M. Holden is Village Clk. Noted Apr. 22 and 29.

New York, N. Y.—(Official)—Bids were received May 4 by the Board of Water Supply for constructing 15 miles of wire fence with concrete posts and guard rails at the Ashokan reservoir as follows: Z. B. Boise, Kingston, $38,680; James McArthur Co., $46,821; Degnon Contracting Co., $45,950; Seabury Northrup, Inc., $47,595; A. N. Harper, $41,470; Ward & Tully, Inc., $44,122; C. J. Carroll, $45,340; Northeastern Construction Co., $45,469; McHarg & Barton, $46,450; and M. T. Moran, $43,055.

New York, N. Y.—(Borough of Bronx)—(Official)—Bids were received May 7 by the Department of Water, Gas & Electricity for (a) laying water mains in a number of streets and (b) for laying water mains in Grand Blvd. and Concourse as follows: Wilton Contracting Co., (a) $20,970, (b) $7883; L. Capetto, (a) $27,865; Soraci Contracting Co., (a) $25,000, (b) $8250; Louis D. Gregory, (a) $26,400, (b) $7560; Knight & DiMicco, (a) $24,721, (b) $7422; Hanover Contracting Co., (a) $28,968, (b) $9108; Giggiliano Contracting Co., (b) $8100; Rogers & McManus, (a) $28,500, (b) $9000; F. W. Maloney, (a) $25,628, (b) $7787; Brady Oltarsh Construction Co., (a) $27,234, (b) $8065; and Melrose Construction Co., (a) $24,000, (b) $7340.

New York, N. Y.—(Borough of Manhattan)—(Official)—Bids will be received until 2 p.m., May 20, by William Williams, Comr. Water Supply, Gas and Electricity, for laying water mains in various streets.

New York, N. Y.—(Boroughs of Manhattan and the Bronx)—(Official)—John Fox & Co., at $2430 and $2290 for Sections 1 and 2, and the A. P. Smith Mfg. Co., at $4872 and $9807 for Sections 3 and 4, were low bidders for furnishing water pipe and specials. Noted Apr. 8.

Atlantic City, N. J.—(Official)—Bids will be received until noon, May 19, by the Director of Revenue and Finance for the purchase of $125,000 in bonds, the proceeds of which will be used for the extension of the water system.

Irvington, N. J.—The Irvington Town Commission has authorized Alexander E. Potter to continue his investigation of the condition of the Clinton Water Co., from which Irvington draws its supply, for the purpose of getting facts to issue to citizens prior to a referendum on the question of the purchase of the plant by the municipality at the election next November.

Newark, N. J.—The Board of Works has approved the purchase of watershed rights of Lake Wawayanda, in Sussex County, for $142,250, and the matter now goes to the Mayor for his approval. The lake and surrounding drainage covers about 5700 acres. It would add 10,000,000 gal. daily to the Newark water supply. As the outlet of the lake flows into New York State there is some question as to whether there would be objection to the diversion of the water. Noted Apr. 29.

✚Mt. Gretna, Penn.—The contract for constructing a 150,000-gal. reservoir on the State Rifle Range has been awarded to EMANUEL KEENER, Colebrook. Noted Apr. 15.

✚Erie, Penn.—(Official)—The contract has been awarded by the Commissioner of Water-Works to the PITTSBURGH-DES MOINES STEEL CO. for constructing a 40-ft. extension to the high service standpipe. Chester & Fleming, Pittsburgh, is Engr. Noted May 6.

✚Polk, Penn.—(Official)—The contract has been awarded by the State Institution to the ALBERGER PUMP CO. for a motor-driven electric pump for the water department. Chester & Fleming, Pittsburgh, is Engr.

Stroudsburg, Penn.—The Stroudsburg Water Supply Co. will build a dam for the construction of a reservoir at the Neyhart farm.

Wilmington, Del.—The cost of installing water mains and reconstructing some of the present mains in the streets to be paved this summer is estimated at $55,000. Edgar M. Hooper, Jr., is Supt. of Water-Wks.

Maryland—(Official)—During April permits were issued by the State Department of Health for water supply improvements as follows:

Roland Park Water Co.—Use of additional source of supply.

Suburban Water Co., Arlington—Use of additional source of supply.

Boonsboro Water Co.—Development of additional source of supply.

Frederick, Md.—A two mile pipe line will be constructed from Fishing Creek to the city at an estimated cost of $14,905. A plan has been submitted by William H. Boardman, Philadelphia, Penn., for the construction of two storage reservoirs at an estimated cost of $64,000 and $55,000. Noted Oct. 29.

★Frederick, Md.—(Official)—Bids will be received until 2 p.m., May 28, by the Board of Aldermen for laying 12-in. c.-i. water main and specials. William H. Boardman, 426 Walnut St., Philadelphia, Penn., is Engr.

✚★Laurel, Md.—(Official)—Contracts have been awarded to the THOMAS HAMPTON CONSTRUCTION CO., Washington, D. C., at $19,168, for laying water mains, constructing a filtration plant and a sewage disposal plant, and to DABBS & MYERS CO., Meridian, Miss., at $25,267, for sewer work. Harry Phelps is City Clk. Noted June 4, 1914 and Jan. 7 and Apr. 15, 1915.

Petersburg, Va.—Bids will be received until May 17 by J. E. Harvell, Chn. Water Comn., for constructing two water tanks and towers. R. D. Budd is City Engr.

✚Bridgeport, W. Va.—The contract has been awarded to ANDREW L. NICKOLICH, Fairmont, for installing water and sewer systems. Noted Feb. 4 and Apr. 1.

Wilmington, N. C.—Bids will be received until May 15 by the Oakdale Cemtery Co., for constructing a water system for the cemetery. About 2200 ft. of 4-in., 2000 ft. of 2- to 3-in. and 12,000 ft. of ¾-in. pipe will be required. Walker Taylor is Chn. Water-Works Comn.

Plant City, Fla.—Bids will be received until May 15 by the Board of Public Works for drilling a 12-in. well 300 ft. deep and for c.-i. pipe; and until June 5 for furnishing pumping equipment. E. W. Mays is Supt. of Water-Wks. Noted Oct. 1.

Gadsden, Ala.—A survey has been made by W. W. Johnson, City Engr., for the construction of a new reservoir on Riverview.

Oberlin, La.—The construction of a water system and electric-light system is under consideration by the city. W. D. Stockwell is Mayor.

✚Memphis, Tenn.—The contract for constructing a reservoir on Bayou Gayoso has been awarded to KOEHLER BROS., 68 Camp Ave., Memphis, and the FOWLER CONSTRUCTION CO., at $14,162. Bids were opened Apr. 13. Noted Apr. 29.

Cleveland, Ohio—Bids will be received by the Commissioner of Purchases and Supplies, Room 511, City Hall, until noon, May 20, for constructing superstructure and brick chimneys and two steam driven centrifugal feed pumps and a cantilever runway for crib No. 5, water department. Charles F. Schultz, 413 Superior Ave., is Comr.

✚Dayton, Ohio—The contract has been awarded to the PLATT IRON WORKS CO., Dayton, at $11,695, for a high-service pump at the central pumping station. Noted Jan. 28.

✚Fostoria, Ohio—The contract has been awarded to J. H. JONES, Fostoria, at $50,865, for constructing a 175,000,000-gal. reservoir. Noted Mar. 25 and Apr. 8.

✚Rittman, Ohio—(Official)—The Ohio Boxboard Co. has awarded a contract to the BUILDERS' IRON FOUNDRY, Providence, R. I., for four double dial rate of flow and loss of head gages for its filtration plant.

Xenia, Ohio—(Official)—Chester & Fleming, Pittsburgh, Penn., has been retained by the Xenia Water Co. to prepare plans for well connections, a temporary pumping stations and a 16-in. force main.

Indianapolis, Ind.—The Indianapolis Water Co. has been directed by the Board of Works to lay water mains in various streets. Noted Mar. 18.

Lansing, Mich.—Work will start soon on the construction of a belt water main around the city to supply water to the outer sections. The estimated cost is $50,000. Guy C. Crane is Supt. of Water-Wks. Noted Dec. 3.

Saginaw, Mich.—Water mains will be laid in various streets at an estimated cost of $9000. Robert F. Johnson is Supt. of Water-Wks.

✚Schoolcraft, Mich.—The contract has been awarded to T. C. BROOKS & SONS CO., Jackson, at $13,191, for the installation of a water system. Smith & Boulay Co., Toledo, Ohio, is Engr. Noted Mar. 18 and Apr. 15.

Berwyn, Ill.—Bids will be received until 8 p.m., May 18, by the Board of Local Improvements for constructing a water supply pipe in Lombard Ave. and other streets. Oscar N. Lindahl is Secy., Bd. of Local Imp.

Carlyle, Ill.—Monie & Dunbar, St. Louis, Mo., was low bidder at $5175, for making extensions to the distributing system and for a pump. Noted Apr. 22.

Paris, Ill.—Bids will be received until 10 a.m., May 18, by the City Clerk for constructing four earth dams, a diversion channel, an intake and a wet well. Fleming, Babbitt & Enger, Urbana, is Engr. Noted Mar. 4.

Bloomington, Wis.—Bids will be received until May 18 by the city for constructing a water system. L. P. Wolf, 1000 Germania Life Bldg., St. Paul, Minn., is Engr. Noted Apr. 1.

✚Morning Sun, Iowa—(Official)—The contract has been awarded to the PUBLIC SERVICE CONSTRUCTION CO., Omaha, Neb., at $13,370, for constructing a water system. W. B. Garvin is Clk. Noted July 2, 1914 and Mar. 18 and Apr. 22, 1915.

✚Pella, Iowa—(Official)—The contract has been awarded by the city to the P. DINGUNAN & CO., Pella, at 11.9c. per lin.ft., for laying water mains and installing hydrants and valves, pipe furnished by the city. A. C. Kuyp is City Clk. Noted Jan. 28.

McKinley, Minn.—The Village Council plans to build a water system at an estimated cost of $18,000.

South Stillwater, Minn.—Bids will be received until 8 p.m., May 17, by Oscar Huhnke, Village Recdr., for making improvements to the water system. The work includes the construction of a concrete reservoir and the laying of 5150 ft. of 6- to 10-in. water mains. Noted Feb. 25 and Mar. 11.

✚Lansing, Kan.—The contract has been awarded to the F. D. MORTON CONSTRUCTION CO., Ft. Scott, at $4967, by the State Board of Corrections for the construction of a pumping station at the State Penitentiary.

Ceresco, Neb.—Bids will be received until May 24 by the City Clerk, for constructing a water system. Grant & Fulton, Lincoln, is Engr. Noted Feb. 25 and Apr. 8.

Irene, S. D.—Bonds for $13,500 have been voted, the proceeds of which will be used for the construction of a municipal water system.

✚Sioux Falls, S. D.—The contract has been awarded to the U. S. CAST IRON PIPE & FOUNDRY CO. by the City Commissioners for furnishing water pipe.

Sioux Falls, S. D.—According to press reports the City Commissioners rejected all bids for water connections in Ninth, Tenth and 21st St. Walter C. Leyse is City Audr.

Sykeston, N. D.—(Official)—We have been advised that an election will soon be held to vote on the question of issuing $14,000 in bonds, the proceeds of which will be used for the construction of a pumping plant, tank and water mains. Charles L. Smith is Village Clk. Noted Apr. 29.

Wibaux, Mont.—An election will be held to vote on the question of issuing $40,000 in bonds, the proceeds of which will be used for the construction of a water system.

Honey Grove, Tex.—The Holts Heights Water Co. plans to build a new pumping plant at Honey Grove.

Drumright, Okla.—Bonds for $35,000 have been voted, the proceeds of which will be used for the extension of the water system.

Lehigh, Okla.—(Official)—The Benham Engineering Co., Oklahoma, Okla., has been retained by the city to prepare plans for the extension of the water system. The estimated cost is $40,00, bonds for which have been voted. Noted July 9.

✚Ogden, Utah—The contract has been awarded, according to press reports, to the UTAH CONSTRUCTION CO., by the Directors of the Davis & Weber Co. for constructing a dam in East Cañon, Morgan County.

Phoenix, Ariz.—Three electrically driven pumps, each with a capacity of 2500-gal. per minute, will be installed at the water-works.

Colfax, Wash.—An election will be held May 24 to vote on the question of issuing $60,000 in bonds, the proceeds of which will be used for the improvement of the water system.

✚Kent, Wash.—(Official)—Bids were received May 3 for laying water mains as follows: W. T. BONIES, Kent, at $5980 (awarded contract); Martin & Dugan, Seattle, $6776; Dickern & Rightmire, Seattle, $6291 and A. H. Cox & Co., $6389. L. E. Price is City Clk. Noted Apr. 15 and 29.

✚**Kirkland, Wash.**—The contract has been awarded to J. ERICKSON, 5812 Woodlawn Ave., Seattle, at $4995, by the city for constructing a water system. The contract for furnishing pipe was awarded to the AMERICAN WOOD PIPE CO., Tacoma, at $3933. Noted June 18 and Dec. 19, 1914, and Apr. 8, 1915.

Seattle, Wash.—According to press reports T. Ryan, Lowman Bldg., at $13,266, was low bidder for constructing a water main in the siphon tunnel in Third Ave. under Lake Washington Canal. Noted May 6.

✚**Portland, Ore.**—The contract has been awarded to the NATIONAL METER CO., at $6925, by the Council for furnishing 10 water meters.

Brockville, Ont.—Bids will be received until 5 p.m., May 17, by G. H. Bryson, Town Engr., for constructing a mechanical filtration plant. Noted Feb. 4.

✚**Brawley, Calif.**—The contract has been awarded to H. R. BOYNTON & CO., Los Angeles, at $10,477, for furnishing pipe for the water department. Noted Nov. 19.

✚**Modesto, Calif.**—(Official)—The contract has been awarded to PEARL BROS., Oakdale, at $19,493, for constructing an earth fill over the Indian Hill gulch by the Modesto Irrigation District. Other bidders were: San Francisco Bridge Co., $29,515; Tibbitts Pacific Co., $26,667, and the Mesmer & Rice Co., $24,690. C. S. Abbott is Secy. Noted Apr. 29.

✚**Palo Alto, Calif.**—(Official)—The contract has been awarded to JAMES STANLEY, Sausalito, Calif., at $13,396 for laying water mains. Other bidders were: D. L. Bienfield, $15,900; Pringle, Dunn & Co., $16,448; Michael Murphy, $16,677; Contra Costa Construction Co., $17,181; Cashel Bros., $17,243, and Power Equipment Co., $18,970. Noted Apr. 29.

Orillia, Ont.—Bids will be received until May 17 by F. Gover, Secy.-Treas., Orillia Water, Light & Power Comn., for pumping machinery for the pumping station.

Ottawa, Ont.—(Official)—At a recent meeting of the City Council a bill providing for the construction of a new pipe water supply was passed. The pipe will be 48- to 51-in. in diameter. The work will soon be advertised. Noted Apr. 8.

★**Peterborough, Ont.**—(Official)—Bids will be received until noon, May 31, by S. R. Armstrong, Secy., Utilities Comn., for installing a complete pumping unit. William Kennedy, Jr., 364 University St., Montreal, Que., is Engr.

Stratford, Ont.—Bids will be received until 5 p.m., May 15, by A. B. Manson, City Engr., for 5460 ft. of 48-in. reinforced-concrete pipe and 6260 ft. of 36-in. pipe .

Transcona, Man.—Bids will be received until noon, May 15, by G. P. Campbell, Secy. and Treas., for furnishing and installing pumping machinery at the water-works.

Weyburn, Sask.—The installation of a 12-in. water main from Second Ave. to the power house is under consideration by the City Council. The estimated cost is $6000. E. H. Phillips is Clk.

Medicine Hat, Alta.—The City Council plans to lay water mains to the factory of the Dominion Harvester Co. The estimated cost is $21,000. R. B. Piper is Engr.

✚**Lima, Peru.**—The contract has been awarded to BREITUNG & CO., LTD., New York, N. Y., by the president of Peru at about $10,000,000 in bonds, for the construction of an irrigation project and for colonization of about 100,000 acres.

SEWERS

Boston, Mass.—Bids will be received until May 14 by the Department of Public Works for the construction of sewers in Park and Claybourne St., Dorchester District. P. O'Hearn is Acting Comr. of Pub. Wks.

Boston, Mass.—Bids will be received until May 18 by the Department of Public Works for the construction of sewers in Perthshire Rd. and in Metropolitan Terrace, West Roxbury District. P. O'Hearn is Acting Comr. of Pub. Wks.

Buckland, Mass.—Bids will be received until 1 p.m., May 15, by the Board of Selectmen for the construction of 1300 ft. of sewer.

Fitchburg, Mass.—Bids will be received until May 19 by the Sewer Commissioner for the construction of the Bemis Rd. siphon connection with the main sewer, consisting of about 2400 ft. of 16-in. c.-i. pipe. David A. Hartwell is Ch. Engr.

Shelburne Falls, Mass.—Bids will be received until 1 p.m., May 15, by the Board of Selectmen for the construction of 1300 ft. of sewers. A. C. Bray is Clk.

★**Greenwich, Conn.**—Bids will be received until May 24 by the Sewer Commissioners for the construction of sewage-disposal works in East Port Chester Sewer District No. 9. W. Wilson Heaton is Chn. of Sewer Comrs. Sheldon E. Minor, Trust Co. Bldg., Greenwich, is Engr.

Hamden, Conn.—Plans are being prepared by Clyde Potts, 30 Church St., New York, N. Y., for the construction of a sewer system and sewage disposal works.

New York, N. Y.—(Borough of Brooklyn)—(Official)—Bids will be received until 11 a.m., May 19, by L. H. Pounds, Borough Pres., for repairing the mechanical equipment of the pumping station, Gowanus flushing tunnel and the Douglass St. and Gowanus Canal.

New York, N. Y.—(Borough of Brooklyn)—(Official)—Bids will be received until 11 a.m., May 26, by L. H. Pounds, Borough Pres., for the construction of the complete superstructure for the sewage pumping station, Section No. 2, and the construction of sewers in Ave. V.

New York, N. Y.—(Borough of Brooklyn)—(Official)—Bids were received May 5 by L. H. Pounds, Borough Pres. for (a) constructing a sewer in Ave. H, from East 35th St. to Brooklyn Ave.; (b) for constructing sewer basins in Flatlands Ave. on 41st St. and Troy Ave.; East 45th St.; East 46th St.; Ave. L and East 45th St.; in Flatlands Ave., north side; in Flatlands Ave., south side; at the intersection of the northerly curb line of Flatlands Ave. and the southerly curb line of Ave. L; at the intersection of the southerly curb line of Flatlands Ave. and the northerly curb line of Ave. L; (c) constructing a sewer in East 31st St., from Farragut Rd. to the line of the Flatbush water works, and sewer basins at all four corners of East 31st St. and Foster Ave.; (d) constructing a sewer in East 35th St. from Farragut Rd. to the line of the Flatbush water works, as follows: (a) Bachrass & Gelardi, 96%. (a) Pasquale Tomasetti, 91.99%; (a) F. Merrindino, Inc., 100%; (a) E. Gelardi Contracting Co., 98%; (a) Victory Contracting Co., 107%; (a) Murphy Bros., 100%; (a) Joseph Jennings, 134.76%; (a) B. Paconi & Son, 91%; (b) S. Paconi & Son, 100%; (b) F. Merrindino, Inc., 84%; (b) E. Gelardi & Son, Inc., 79.97%; (b) Victory Contracting Co., 89%; (b) Murphy Bros., 78%; (b) Joseph Jennings, 96.46%; (b) B. Paconi, 75%; (b) Pasquale Tomasetti, 68%; (b) Bachrass & Gelardi, 79%; (b) Angelo Soriano, 97%; (c) Bachrass & Gelardi, 90%; (c) Pasquale Tomasetti, 62%; (c) F. Merrindino & Co., Inc., 70%; (c) S. Paconi & Sons, 80%; (c) Victory Contracting Co., 83%; (c) B. Paconi & Son, 65%; (c) Murphy Bros., 61%; (c) E. Gelardi Contracting Co., Inc., 79.90%; (c) Joseph Jennings, 80.84%; (d) F. Merrindino, Inc., 98%; (d) Pasquale Tomasetti, 68.49%; (d) Bachrass & Gelardi, 91; (d) Murphy Bros., 79%; (d) Victory Contracting Co., 99%; (d) B. Paconi & Son, 69%; (d) Joseph Jennings, 110.70%; (d) E. Gelardi Contracting Co., Inc., 90%. Noted Apr. 28.

New York, N. Y.—(Borough of Bronx)—(Official)—Bids were received May 6 by Douglas Matthewson, Borough Pres., for (a) constructing sewers and appurtenances in Plimpton Ave., between Boscobel Ave. and Featherbed Lane; (b) constructing sewers and appurtenances in West 234th St., between Spuyten Duyvil Rd. and Kingsbridge Ave.; Corlear Ave. between West 232d St. and the Summit North of West 234th St.; (c) constructing sewers and appurtenances in West 238th St., between Broadway and Putnam Ave. W.; Review Pl., between West 238th St. and West 239th St., as follows: (a) Tony Lapadula, $9798; (a) Lawrence Contracting Co., $10,604; (a) Amanna & Sullivan, $10,975; (a) Anita Construction Co., $12,964; (a) Kingsbridge Contracting Co., $13,113; (a) Briggs & O'Loughlin, $10,980; (a) O'Rourke Contracting Co., $12,293; (a) B. J. Brennen, $10,579; (a) W. F. McAroy, $10,088; (b) O'Rourke Contracting Co., $13,097; (b) Briggs & McLoughlin, $11,719; (b) Harris Rose Contracting Co., $11,444; (b) Amanna & Sullivan, $1,062; (b) Melrose Construction Co., $13,097; (b) Michael Marrone, $10,875; (b) Kingsbridge Contracting Co., $14,198; (b) Anita Construction Co., $13,919; (b) Casperini & De Blasio, $11,670; (c) Estates Contracting Co., $12,293; (c) O'Rourke Contracting Co., $3161; (c) D. J. Donlin, $3008; (c) Amanna & Sullivan, $3343; (c) Kingsbridge Contracting Co., $3750; (c) Briggs & McLoughlin, $3385; (c) Anita Construction Co., $3678; (c) Charles E. Farrell Contracting Co., $3126; (c) Michael Marrone, $3728; (c) Estates Contracting Co., $3449; (c) Casperini & De Blasio, $4290. Noted Apr. 29.

New York, N. Y.—(Borough of Queens)—(Official)—Bids were received May 5 by Maurice E. Connolly, Borough Pres., for constructing sewers and appurtenances (a) in Canal, Shaw, Snediker and Jamaica Ave. and in Syossett, Unum and Yarmouth St., Fourth Ward, (b) in Orchard St., First Ward, (c) in Guion, Beaufort and Napier Ave., Fourth Ward as follows: Clancy & Nuhn, (a) $48,599, (b) $1995; Joseph L. Ligretto, (a) $48,352, (c) $7278; Rosenthal Engineering & Contracting Co., (a) $48,648, (c) $7853; James O'Leary, (a) $54,695; Stanhope Contracting Co., (a) $54,786, (c) $7656; H. J. Mullen, (a) $43,819, (c) $8039; Peace Bros., (a) $52,492, (b) $1710, (c) $9423; Angelo Paino, (a) $44,966, (c) $7027; L. E. Kelly, (a) $57,735; James Johnson, (b) $2208, (c) $7370; Green Contracting Co., (b) $1844, (c) $6498; Evergreen Contracting Co., (b) $2016, (c) $8908; C. E. Farrell, (b) $3588; T. Lapadula, (c) $8184; Harry Britton, (c) $6495. Noted Apr. 29.

New Rochelle, N. Y.—The city has appropriated $6700 for the construction of a sewer in Clove Rd. from Eastchester Rd. to Parcot Ave.

✚**Yorkville, N. Y.**—(Official)—Bids were received Apr. 30 by the Board of Trustees for the construction of 3684 lin.ft. of 12-in. and 2050 lin.ft. of 8-in. pipe sewer, nine manholes and three lampholes as follows: N. D. PETERS & CO., Utica, $5116 (awarded contract); Ralph F. Relly, St. Johnsville, $5505; D. Peritano, Utica, $5816; W. S. Cookinham, Utica, $6022; Frank M. Johnston, Utica, $6079; A. L. Nixdorf, Oneida, $6771. W. G. Stone & Son, Utica, is Engr. Noted Dec. 31 and Apr. 22.

Camden, N. J.—The city contemplates constructing sewers in various streets.

Glen Gardner, N. J.—Plans are being prepared for the construction of a sewage-disposal plant. The estimated cost is $20,000.

Verona, N. J.—At a recent election the citizens voted to issue $175,000 in bonds, the proceeds of which will be used for the construction of a sewer system.

★**Downingtown, Penn.**—(Official)—Bids will be received until 8 p.m., June 7, by the Borough Council for the construction of a sewage disposal works and a sewer system. Herbert W. Hatton is Consult. Engr.

Ebensburg, Penn.—Bids will be received until May 24 by the Borough Council for the construction of a sewage disposal plant and approximately 5000 ft. of 15-in. sewers. G. A. Flink, Commonwealth Trust Bldg., Harrisburg, is Consult. Engr. J. L. Elder & Son, Ebensburg, is Borough Engr.

✚**Indiana, Penn.**—(Official)—The contract for constructing one mile of 8-in. and ½ mile of 6-in. pipe sewers has been awarded to BENNETT & SHEARER, Indiana, at $5367. Thomas Pealer is Engr.

✚**Reading, Penn.**—(Official)—Bids were received Apr. 30 by Charles Marks, City Clk., for the construction of a sewer in Elm and West Elm St. from Schuylkill Canal to Rose St., as follows: CANTRELL CONSTRUCTION CO., $64,632 (awarded contract); Fehr & O'Rourke, $75,206; James Ferry & Sons, Inc., $76,791; Union Paving Co., $90,086; Heyman & Goodman Co., $104,082. E. Bulrich is City Engr. Noted Sept 17, Oct. 1 and Apr. 22.

✚**Reading, Penn.**—The contract for the construction of a sewage filter on Fritz's Island has been awarded to P. L. SCHOLL, Reading, at $39,564. Noted Sept. 17, Oct. 1 and Apr. 22.

Reading, Penn.—The Board of Public Works has approved plans for the construction of the Michigan St. sewer. Bids will be received about May 15. The estimated cost is $50,000.

York, Penn.—It is reported that the City Council will issue $100,000 in bonds for the construction of a sewer system and sewage-disposal plant. George A. Warner is City Engr.

✚Baltimore, Md.—The contract for the construction of lateral sewers in North Ave. has been awarded to CAROZZA BROS. & CO., 606 Munsey Bldg., Baltimore, at $92,239.

Maryland—(Official)—During April permits were issued by the State Department of Health for sewer construction, as follows:

Mt. Washington—Extension of sewer system.

Baltimore—Sewage treatment works at the water filtration plant.

Buckeystown—Sewage-disposal plant at Buckingham Industrial School.

Roland Park—Extension of sewer system.

Cambridge—Extension of sewer system.

Crisfield—Extension of storm sewer. Robert B. Morse is Ch. Engr.

✚★Laurel, Md.—(Official)—See item under "Water Supply—Irrigation."

Ravenswood, W. Va.—Bids will be received by the city until May 14 for the construction of 3200 ft. of 6-in., 10,450 ft. of 8-in., 1510 ft. of 10-in. and 600 ft. of 12-in. sanitary sewers. Ira S. Bartlett is Mayor. J. V. Dunbar is Engr.

Durham, N. C.—Bids will be received until May 17 by W. G. Bradshaw, Chn. Street Com., for the construction of 1900 ft. of 8-in. and 6000 ft. of 12-in. outfall sewers.

✚Durham, N. C.—Bids were received Apr. 28 for constructing 5½ miles of vitrified pipe sewers as follows: C. C. JACOB, Durham, $12,217 (awarded contract); E. M. Sheflow, Elgin, Ill., $13,938; Mischler & Flynn, Chattanooga, Tenn., $14,475; I. J. Smith Co., Richmond, Va., $17,741.

✚Birmingham, Ala.—The contract for the construction of sanitary sewers in North Birmingham has been awarded to the AMERICAN CAST IRON PIPE CO., Birmingham, at $10,700. Julian Kendrick is City Engr.

New Orleans, La.—Hampton Reynolds, New Orleans, submitted the lowest bid at $43,850, for constructing additions to the pumping plant, Station No. 2, Contract 72-D. The lowest bid submitted for building sluice gates for Station No. 2, Contract 73-D, was that of the Chapman Valve Co., Indian Orchards, Mass., at $6465. Noted Mar. 4. Bids opened Apr. 19.

Cincinnati, Ohio—Bids will be received until noon, May 21, by Philip Fosdick, Dir. of Pub. Ser., for the construction of main and lateral sewers and drains in Erie Ave. and in Herschel Ave.

Cleveland, Ohio—Bids will be received by the Commissioner of Purchases and Supplies, City Hall, until noon, May 20, for the construction of the Dugway Brook branch sewer between Dugway Brook and Lakeview Rd. Robert Hoffman is City Engr.

Coshocton, Ohio—Bids will soon be received for the construction of a sewage-disposal plant. The estimated cost is $60,000. Chester & Fleming, Union Bank Bldg., Pittsburgh, Penn., is Engr.

✚Kent, Ohio—The contract for the construction of a sewer system has been awarded to W. H. HUNT & SON, Akron, at $59,481. Noted May 6.

✚Lima, Ohio—The contract has been awarded to SUMMERS & HARDIN, Lima, at $7500, for the construction of 2625 ft. of 4-in. concrete sewer and two retaining walls. John K. Brice is Engr.

✚Salem, Ohio—The contract for the construction of the intercepting sanitary sewer in McKinley Ave. has been awarded to the CENTRAL OHIO CONSTRUCTION CO., Salem. Noted Mar. 25.

Toledo, Ohio—Bids will be received until June 9 by A. W. Boardman, Dir., Bd. of Pub. Ser., for the construction of local sewers Nos. 1249 and 1252.

Gary, Ind.—The lowest bids received for the construction of District Sewer No. 24 were as follows: W. F. Brunt, $4215; Shea & Co., $4759; S. A. Smith, $4918. W. J. Smith is City Engr. Noted Mar. 8 and Apr. 1.

New Albany, Ind.—Plans are being prepared by S. T. Mann, City Engr., for the construction of vitrified pipe sewers. Bids will soon be received by W. Taylor, City Clk.

✚New Albany, Ind.—The contract for the construction of a vitrified pipe sewer in Depauw Pl. has been awarded to M. C. UNDERWOOD, 917 West High St., New Albany.

Indianapolis, Ind.—Bids will be received until 10 a.m., May 14, by the Board of Public Works, for the construction of a sewer in Chester St. from Michigan to Walnut St.

✚Aurora, Ill.—The contract for constructing sewers in various streets has been awarded to R. P. KEUHN, Aurora, at $4406.

Berwyn, Ill.—Bids will be received until 8 p.m., May 18, by the Board of Local Improvements for constructing sewers. N. Lindahl is Secy., Bd. of Local Imp.

Bloomington, Ill.—(Official)—The city contemplates the construction of one mile of 12-in. pipe sewer. E. H. Parkard is City Engr.

Chicago, Ill.—Bids will be received until May 14 by the Board of Local Improvements for constructing tile-pipe sewers in Aberdeen, West Congress and other streets.

Glencoe, Ill.—Bids will be received until 8 p.m., May 18, by the Board of Local Improvements for constructing 10,588 ft. of 8-in. vitrified pipe sewers. Windes & March, Winnetka, Ill., is Engr.

Normal, Ill.—(Official)—Plans are being prepared for the construction of a septic tank. George C. Broyhill is Engr.

✚Ottawa, Ill.—The contract for the construction of a sewer system in the northern part of the city has been awarded to GREEN & SONS, Ottawa, at $87,037.

Peoria, Ill.—(Official)—The contract for the construction of a sewer system will be awarded this fall. The estimated cost is $235,000. L. D. Jeffries is City Engr. Noted Sept. 3.

Wenona, Ill.—(Official)—Bids will be received about June 15 by the Board of Local Improvements for the construction of a sewer system with septic tanks. The estimated cost is $25,000. F. H. Ong is City Clk. Noted May 6.

Delavan, Wis.—Bids will be received in about two months by H. J. Doane, City Clk., for the construction of storm and sanitary sewers. P. J. Hurtgen, Burlington, is Engr.

Green Bay, Wis.—Bids will be received until 10 a.m., May 18, by the Sewerage Committee for constructing sewers in Van Buren and Baird St. and in Webster Ave.

Kenosha, Wis.—(Official)—All bids received by B. C. Brennan, City Engr., Apr. 23, for the construction of 1500 ft. of 84-in., 2700 ft. of 66-in. and 1200 ft. of 36-in. sewers have been rejected. New bids will be received until May 21. Noted May 21.

✚Milwaukee, Wis.—Contracts have been awarded by the Department of Public Works for sewer construction to T. HERMAN, 965 27th St., Milwaukee, at $8389, and F. N. NAKIELSKI, Hawley Rd., Milwaukee, at $9850.

Randolph, Wis.—The city has commissioned G. R. Bascom, University of Wisconsin, Madison, to prepare a preliminary report on the construction of sewers and a sewage-disposal plant.

Wausau, Wis.—Plans are being prepared for the construction of one mile of 15- to 48-in. vitrified pipe sewers. B. C. Gowan is City Engr.

✚Wausau, Wis.—The contract for the construction of 3600 ft. of 10- to 15-in. vitrified pipe sewer has been awarded to CARL KOTZ, 634 Grand Ave., Wausau. F. KRAUSE, 1018 Third Ave., Wausau, has been awarded the contract for constructing 2000 ft. of 10- to 12-in. vitrified pipe sewer.

West Allis, Wis.—Bids will be received until June 1 by the Board of Public Works for the construction of 800 ft. of 10-in., 300 ft. of 12-in., 900 ft. of 15-in., 300 ft. of 18-in. vitrified pipe storm sewer, and 1600 ft. of 42-in. concrete segment-block sewers. E. G. Orbert is City Engr. Noted Apr. 29.

✚Ames, Iowa—The contract for constructing sanitary sewers and sub-drains has been awarded to COLE BROS. A. B. Maxwell is City Clk. Noted Apr. 22.

✚Des Moines, Iowa—The contract for the construction of a sewer system in the State Fair Grounds has been awarded to F. C. YOUNG, Iowa City, at $8957. Noted Mar. 18.

Hartley, Iowa—Bids will be received until May 18 by the City Clerk for the construction of sewers. The estimated cost is $35,000. Bruce & Standeven, Omaha, Neb., is Engr. Noted Apr. 1.

✚Jewell Junction, Iowa—(Jewell post office)—(Official)—Contracts have been awarded for sewer construction to the DEARBORN CONSTRUCTION CO., Waterloo, at $1468, the ADAMS MARTIN CO., Centerville, at $3597, and the DEARBORN CONSTRUCTION CO., Waterloo, at $9014. Noted Apr. 1 and 22.

✚Sioux City, Iowa—The contract for the construction of the North Riverside sewer system has been awarded to WARD & WRIGHTON, Sioux City. The estimated cost is $12,000. Noted May 6.

Tripoli, Iowa—Bids will be received until 2 p.m., May 25, by H. W. Bockhaus, City Clk., for the construction of a sewer system and sewage-disposal plant. M. Ischirgi & Sons, Cedar Rapids, is Engr. Noted Mar. 11 and Apr. 22.

Eveleth, Minn.—Plans are being prepared by Edward Bass, Consult. Engr., State University, Minneapolis, for the construction of a septic tank. The estimated cost is $20,000. Noted Apr. 22.

✚New Ulm, Minn.—(Official)—The contract has been awarded to the DEARBORN CONSTRUCTING CO., Waterloo, Iowa, at $19,575, for constructing sewers in various streets. F. D. Minium is City Engr. Noted Apr. 29.

✚St. Paul, Minn.—The contract for the construction of the Grantham St. sewer has been awarded to J. J. CONNOLLY, at $11,925.

St. Paul, Minn.—Plans are being prepared by Oscar Claussen, City Engr., for the construction of the Como-Snelling sewer system in the State Fair grounds. The project is estimated to cost $289,000. Noted Apr. 22.

Junction City, Kan.—Bids will be received until 9 a.m., May 14, by T. W. Dorn, City Clk., for constructing 3½ miles of sanitary sewers. W. V. Buck is City Engr.

Topeka, Kan.—A. R. Young, City Engr., will prepare plans for the construction of a sewer in East Topeka.

✚Lincoln, Neb.—The contract for constructing sewers has been awarded to J. M. DEFFENBOUGH, Lincoln, at $8350. T. H. Bery is City Clk.

✚Sioux Falls, S. D.—(Official)—The contract for sewer construction has been awarded to MYRINO BROS., Sioux Falls. S. B. Howe is City Engr. Noted Apr. 22.

Watertown, S. D.—Bids will be received until May 17 by T. W. Shreiber, City Engr., for the purchase of $88,000 in bonds, the proceeds of which will be used for the construction of a sewer system. Noted May 6.

Bozeman, Mont.—Bids will be received until 5 p.m., May 20, by A. M. Brandenburg, City Clk., for the construction of 1560 lin.ft. of 6- to 10-in. storm sewers with appurtenances and branches.

St. Louis, Mo.—The Board of Public Service contemplates constructing a relief sewer in the Ferry St. Sewer District. The estimated cost is $71,000.

Austin, Tex.—An election will be held June 2 to vote on the question of issuing $50,000 in bonds, the proceeds of which will be used for the construction of sanitary sewers.

Seattle, Wash.—Bids have been received for the construction of sewers in Leary Ave., as follows: Benjamin, Hawkey & Gartner, Seattle, $18,974; L. R. Ellis, Seattle, $19,739; Calasurdo & Co., Seattle, $20,081; G. Argenteri, Seattle, $20,937. A. H. Dimock is City Engr.

Astoria, Ore.—The city contemplates the construction of a 12-in. sewer in 45th St., an 8-in. lateral sewer in Bonds St. and the construction of sewers in various other streets. Olof Anderson is Audr.

North Bend, Ore.—Bids will soon be received for the construction of a sewer system. The estimated cost is $25,000. Noted May 6.

Arlington, Calif.—(Riverside post office)—An election will soon be held to vote on the question of issuing $40,000 in bonds, the proceeds of which will be used for the construction of a sewer system.

✚**Calistoga, Calif.**—The contract for the construction of a sewer system has been awarded to BORDWELL & ZIMMERMAN, Calistoga, at $14,248. Other bids were: D. L. Beinfield, $16,495; L. L. Page, $17,482; John H. May, $14,563; Schuyler & Edwards, $16,600; Harry Thorsen, $18,900. W. H. Castner is City Engr. Noted Apr. 29.

✚**Sacramento, Calif.**—(Official)—Bids were received Apr. 29 for the construction of Unit No. 3 of the reinforced-concrete trunk line sewer as follows: JAMES KENNEDY, Los Angeles, $81,052 (awarded contract); Peterson & Grier, San Francisco, $123,820; Graff Construction Co., Sacramento, $115,608; Tibbetts Pacific Co., San Francisco, $94,697; Clinton Fireproofing Co. of California, $81,013; Edward Malley, San Francisco, $118,190; Williams & Belsar, San Francisco, $143,727; Carl Ehrhart, San Francisco, $108,939; Teichert & Ambrose, Sacramento, $104,608; Ross Construction Co., Sacramento, $122,326; McGillvery Construction Co., Sacramento, $98,607; Carnahan & Mulford, San Francisco, $123,690; F. Rolandi, San Francisco, $91,548; Contra Costa Construction Co., Berkeley, $149,633; Matthews Construction Co., Sacramento, $99,768; Thomas S. Hutton, San Francisco, $132,204; Wrightson, Anderson & Yost, Sacramento, $113,291.

✚**Los Angeles, Calif.**—The contract has been awarded to ADAM DALMATIN, Los Angeles, at $6300, for the construction of a sewer in Mission Rd. from Baldwin St. to North Boardway. Noted May 6.

✚**Los Angeles, Calif.**—The contract for the construction of a sewer in Medford St. from Soto to Murchinson St. has been awarded to J. J. PAPAC, Los Angeles, at $5448. Noted May 6.

Joliette, Que.—(Official)—The Town Council will construct sewers, estimated to cost $16,000, by day labor. J. A. Martin is Engr. Noted May 6.

Nelson, Ont.—The city has been granted a permit by the Provincial Board of Health for the construction of a sewage-disposal plant. The estimated cost is $150,000.

Stratford, Ont.—Bids will be received until 5 p.m., May 15, by A. B. Mason, City Engr., for 5460 ft. of 48-in. and 6200 of 36-in. reinforced concrete sewer tile.

GARBAGE

New York, N. Y.—(Official)—Bids will be received until 10:30 a.m., May 21, by S. S. Goldwater, Pres., Dept. of Health, under proposition "A," also "B," for the removal of night soil and dead animals from the several boroughs for a period of five years beginning July 1, 1915.

New York, N. Y.—(Borough of Queens)—(Official)—The low bidder for Section 544, of the disposal of garbage, rubbish and ashes in the fifth ward for the summer months was C. R. Van Netton, at $10,940.

Duluth, Minn.—The city contemplates installing an incinerating plant.

STREETS AND ROADS

★**Augusta, Maine**—(Official)—Bids will be received until 11 a.m., May 19, by the State Highway Commission, for constructing roads in various towns. Lyman H. Nelson is Chn. of the Comn.

✚**Boston, Mass.**—The contract for the construction of 15,000 lin.ft. of state road in Salem and Swampscott has been awarded to M. McDONOUGH Co., Swampscott, at $21,403. Other bids were: J. B. Grue, $18,865; D. J. Sheehan, Lynn, $23,110; Antony Pallotto, Lowell, $20,683; F. E. Ellis, Melrose, $29,549; P. A. Moynihan, South Hamilton, $23,893; A. G. Tomasello, Boston, $24,965; Rim Contracting Co., Boston, $25.795. Noted Apr. 29.

Boston, Mass.—Bids will be received until May 17 by Public Works Department for bitulithic pavements in Raven St. and Powellton Rd., Dorchester District. Patrick O'Hearn is Acting Comr.

✚**Boston, Mass.**—The contract for the construction of 8000 lin.ft. of state road in Raynham has been awarded by the State Highway Commission to SNOW & FARRINGTON, Wrentham, at $11,068. Other bids were: H. L. Thomas, Middleboro, $11,325; Andrew M. Cusack, Boston, $11,428; C. I. Alger, Paunton, $11,445; Z. L. Conedy, Myricks, $11,743; D. J. Sheehan, Lynn, $11,892; J. M. McCormick, Providence, R. I., $12,115; R. F. Hudson, Melrose, $12,641; O. W. Ruckle, Providence, R. I., $12,847; A. Williams, Boston, $13,172; C. F. Kelly, Somersville, $13,881; Small & Ingalls, Bar Harbor, Maine, $14,112. Arthur W. Dean, 15 Ashburton Pl., is Ch. Engr. Noted Apr. 15.

✚**Boston, Mass.**—Bids were received Apr. 27 and contracts awarded for constructing (a) 8100 lin.ft. of state road in Somerset and Swansea, (b) 6260 lin.ft. of state road in Rehoboth, (c) 5500 lin.ft. of state road in Reading, (d) 6200 lin.ft. of state road in Dighton and Taunton, (e) 4700 lin.ft. of state road in Beverly, (f) 7400 lin.ft. of state road in Somerset as follows: HAMILTON FLOOD, Quincy, (a) $11,128, (d) $7710 (awarded contract); J. M. McCORMICK, East Providence, R. I., (a) $12,213, (d) $8689, (f) $9887 (awarded contract); O. W. Ruckle, Providence, R. I., (a) $12,289, (b) $7862, (d) $9204, (f) $10,560; H. E. CUSHING, Seekonk, (b) $7085 (awarded contract); Z. L. Conedy, Myricks, (b) $7267, (f) $9917; E. J. Rourke, Abington, (b) $7593; B. E. Savage, Worcester, (b) $8553; J. A. GAFFEY, Medford, (c) $13,220, (e) $6783 (awarded contract); P. A. Moynihan, South Hamilton, (c) $13,615, (e) $7367; R. P. Hudson, Melrose, (c) $13,880; Anthony Palloto, Lowell, (c) $15,261, (b) $7702; F. E. Ellis, Melrose, (c) $15,851, (e) $7187; A. Williams & Co., Boston, (c) $15,880, (c) $40,887, (f) $16,494; D. J. Sheehan, Lynn, (c) $16,075, (e) $7927; Daniel O'Connell's Sons, Holyoke, (c) $18,755; J. H. Kerr, Rumford, Maine, (c) $18,800; J. E. Watkins, Hudson, (e) $7037; A. G. Tomasello, Boston, (e) $7037. Noted Apr. 22.

✚**Boston, Mass.**—Bids were received May 4 for constructing (a) 10,900 lin.ft. of state road in Abington, Brockton and Whitman, (b) 6500 lin.ft. of state road in Deerfield as follows: E. J. ROURKE, Abington, (a) $13,760 (awarded contract); Z. L. Conedy, Myricks, (a) $14,860; F. E. Ellis, Melrose, (b) $7917; O. W. Ruckle, Providence, R. I., (b) $5945; Daniel O'Connell's Sons, Holyoke, (b) $6896. Noted Apr. 29.

✚**Boston, Mass.**—Bids were received May 4 for constructing (a) 10,100 lin.ft. of state road in Shrewsbury, (b) 10,400 lin.ft. of state road in Lawrence as follows: D. E. SAVAGE, Worcester, (a) $9550 (awarded contract); C. E. Horne, Millbury, (a) $10,182, (b) $29,292; Rowe Contracting Co., Boston, (a) $11,583; R. F. Hudson, Melrose, (a) $12,290; Joseph Wagenbach & Son, Lawrence, (b) $23,299; Merrimac Construction Co., Boston, (b) $23,701; O. W. Ruckle, Providence, R. I., (b) $23,554; C. H. Kelly, Somerville, (b) $27,792. Noted Apr. 29.

Boston, Mass.—Bids will be received until May 18 by the State Highway Commission for the construction of 6500 lin.ft. of road, two concrete bridges in Williamstown, and for 6400 lin.ft. of road in Wrentham.

✚**Manchester, Mass.**—A contract for building two miles of macadam roadway has been awarded to R. F. HUDSON, Melrose, at $22,229. The town will furnish the asphalt at a cost of $4220.

Providence, R. I.—The City Council has authorized the paving of Eddy St., at a cost of $30,000, and Benefit St., at $64,000.

★**Albany, N. Y.**—(Official)—Bids will be received until 1 p.m., June 1, by Edwin Duffey, State Highway Comr., for repair work in various counties.

✚★**Albany, N. Y.**—(Official)—Bids were received May 5 by Edwin Duffey, State Highway Comr., for improving highways in various counties as follows:

Road No. 1259, Allegany County, 4 miles: W. J. FOX, Oramel, N. Y., $36,624 (awarded contract); Sullivan Construction Co., Syracuse, $39,705; O. M. Severson Co., Erie, Penn., $38,008; Bison City Engineering & Contracting Co., Inc., Buffalo, $38,997; John Johnson Construction Co., Buffalo, $39,300; McNerney Construction Co., Canton, Penn., $39,059; Busch & Percival, Buffalo, $36,937; Greece Construction Co., Rochester, $34,946; F. H. Higgins, Olean, $39,094; Michael Murphy, Rochester, $36,995.

Road No. 1260, Allegany County, 8.64 miles: Sullivan Construction Co., Syracuse, $98,581; O. M. Severson & Co., Erie, Penn., $97,961; P. H. Murray, Rochester, $97,619; Busch & Percival, Buffalo, $95,710; McNerney Construction Co., Canton, Penn., $97,674; John Johnson Construction Co., Buffalo, $96,323; Bradley & Nolan, Corning, $101,012; Michael Murphy, Rochester, $101,084; BISON CITY ENGINEERING & CONTRACTING CO., INC., Buffalo, $95,636 (awarded contract); F. H. Higgins, Olean, $100,764.

Road No. 1254, Cattaraugus County, 4.43 miles: Lake Shore Construction & Supply Co., Dunkirk, $57,130; Gleason & Davitt, Albany, $55,433; McNerney Construction Co., Canton, Penn., $57,428; H. J. GRATHWOL, Hammondsport, $52,694 (awarded contract); S. T. Benson & Co., Jamestown, $55,352; John W. Landel, Tonawanda, $57,083.

Road No. 1026, Chautauqua County, 3.99 miles: S. T. Benson & Co., Jamestown, $102,289; D. D. Dugan & Son, Olean, $97,034; THOMAS MAHONEY, Jamestown, $96,461 (awarded contract); Gleason & Davitt, Albany, $101,559; Parker-Hassam Paving Co., Worcester, Mass., $106,750; Brady Oltarsh Construction Co., New York, $99,241.

Road No. 1062, Chautauqua County, 1.59 miles: Dunkirk Construction Co., Dunkirk, $48,802; O. M. Severson & Co., Erie, Penn., $50,503; John Johnson Construction Co., Buffalo, $52,246; J. B. HURLEY CO., INC., Fredonia, $47,670 (awarded contract); Lake Shore Construction & Supply Co., Dunkirk, $48,278; Gleason & Davitt, Albany, $51,424; George Holler, Albany, $52,645; Parker-Hassam Paving Co., Worcester, Mass., $52,882; I. B. Contracting Corporation, New York, $51,966.

Road No. 5549, Dutchess County, 0.88 mile: Samuel Beskin, Beacon, $54,111; George Holler, Albany, $57,092; Nordone & Petrillo, James Garafano & Son, Inc., Mt. Vernon, $51,594; John I. McDonald Contracting Co., Poughkeepsie, $55,125; Cornelius Vanderbilt, West Brighton, $59,490; John L. Hayes Construction Co., Yonkers, $54,854; Gifford Construction Co., Jamaica, $54,544; Topeka Paving Co., Inc., New York, $58,448. Award withheld.

Road No. 5552, Franklin County, 8.81 miles: DE GRAFF & HOGEBOOM, Kingston, $86,661 (awarded contract); James Garafano & Son, Inc., Mt. Vernon, $91,574; Weed & Walsh, Mechanicsville, $92,261; Ross-Hallenbeck Construction Co., Copenhagen, $88,183; Dana W. Robbins Co., Inc., New York, $91,179; A. J. Rockwood, Rochester, $88,258; W. T. Thayer & Co., Chateaugay, $89,880; James E. Martin, Utica, $89,909.

Road No. 1258, Hamilton County, 5.01 miles: Fulton Engineering Co., Inc., Albany, $62,875; HIGHWAY ENGINEERING CO., INC., Albany, $59,991 (awarded contract); J. D. Moynihan Co., Inc., Taharvus, $78,508; I. B. Contracting Corporation, New York, $66,716; E. J. Anderson, Albany, $74,287, Langan Construction Corporation, Albany, $64,374; Conners & Nixdorf, Oneida, $64,998.

Road No. 1257. Herkimer County 1.81 miles: R. D. Cooper, Little Falls, $23,889; JAMES GARAFANO & SON, INC., Mt. Vernon, $20,087; Elmer J. Latus, Albany, $21,272; Flood & Van Wirt Co., Hudson Falls, $20,794.

Roads Nos. 471 and 830, Herkimer County, 3.60 miles: W. J. Kennedy, Utica, $35,467; Bison City Engineering & Contracting Co., Inc., Buffalo, $35,166; Ahearn Construction Co., Willimantic, Conn., $35,743; P. J. Kennedy, Utica, $36,074; Flood & Van Wirt Co., Hudson Falls, $31,530; E. J. Anderson, Albany, $34,583; Alonzo Schaupp, Guilderland, $31,997; Harold J. Sheilds (unsigned), Albany, $35,766. Award withheld.

Road No. 831, Herkimer County, 5.53 miles: B. F. S. Co., Herkimer, $54,912; Conroy & Nixdorf, Oneida, $59,539; Brown & Lowe Co., Schenectady, $59,824; James Garafano & Son, Inc., Mt. Vernon, $58,797; James E. Martin, Utica, $61,610; E. J. Sanderson, Albany, $55,354; M. BENNETT & SONS, Indiana,

Penn., $49,829 (awarded contract); Ahearn Construction Co., Willimantic, Conn., $59,330; Harold J. Shields, Albany, $61,044; C. S. Mathusa, Albany, $58,029.

Road No. 5548, Jefferson County, 7.27 miles: William H. Ring Contracting Co., Ogdensburg, $146,828; Stanley Construction Co., Buffalo, $152,338; James E. Martin, Utica, $148,426; Frank Nordone, Mt. Vernon, $152,790; James Rossney, Buffalo, $141,931; Bison City Engineering & Contracting Co., Inc., Buffalo, $147,984; Gleason & Davitt, Albany, $146,484; Martin Murray & Co., Troy, $140,993; PATHFINDER CONSTRUCTION CO., INC., Fulton, $139,993 (awarded contract).

Road No. 1247, Livingston County, 3.51 miles: I. M. Ludington Sons, Inc., Rochester, $50,820; Freeman & Cunningham, Watervliet, $51,968; John Johnson Construction Co., Buffalo, $53,694; P. H. MURRAY, Rochester, $47,561 (awarded contract); James Garafano & Son, Inc., Mt. Vernon, $49,798; Busch & Percival, Buffalo, $55,752; Thomas Grady, Rochester, $56,486; Greece Construction Co., Rochester, $51,312; Ribstine-Holter Co., Inc., Rochester, $51,773.

Road No. 1248, Livingston County, 3.196 miles: Busch & Percival, Buffalo, $45,468; I. M. Ludington Sons, Inc., Rochester, $44,801; RIBSTINE-HOLTER CO., INC., Rochester, $43,607 (awarded contract).

Road No. 1249, Livingston County, 2.18 miles: Bison City Engineering & Contracting Co., Inc., Buffalo, $18,729; John M. Fitzwater, Rush, $18,318; Thomas Hucknall & Co., Albion, $17,725; Bert Warren and J. J. Gleason, Honeoye Falls, $19,509; P. H. Murray, Rochester, $18,604; HAROLD J. SHIELDS, Albany, $17,539 (awarded contract); Schroeder-Hicks Contracting Co., Inc., Rochester, $19,053; Ribstine-Holter Co., Rochester, $19,106.

Road No. 1261, St. Lawrence County, 5.66 miles: Thomas O'Brien, Watertown, $72,970; Burns Bros. & Haley, Watertown, $76,901; Parker-Hassam Paving Co., Worcester, Mass., $81,806; A. J. Rockwood, Rochester, $74,848; De Graff & Hogeboom, Kingston, $73,127; Dana W. Robbins, Inc., New York, $71,564; J. B. Contracting Corporation, New York, $73,626; J. H. Weidman, Syracuse, $76,193; Ross-Hallenbeck Construction Co., Copenhagen, $68,690; Monroe Roads Co., Pittsford, $76,059; Henry P. Burgard, Buffalo, $75,307. All bids were rejected.

Road No. 1263, St. Lawrence County, 10.85 miles: Brady Oltarsch Construction Co., New York, 0129,156 James E. Martin, Utica, $128,548; Burns Bros. & Haley Watertown, $133,969 Eggleston & Garthwaite, Yonkers, $117,336; I. B. Contracting Corporation, New York, $125,103; De Graff & Hogeboom, Kingston, $129,879; E. J. Anderson, Albany, 0125,240; Bison City Engineering & Contracting Co., Inc., Buffalo, $124,738; Thomas Grady, Rochester, $116,760; A. J. ROCKWOOD, Rochester, $116,760 (awarded contract); Del Engineering Co., Utica, $119,444; Monroe Roads Co., Pittsford, $122,764.

Road No. 1264, St. Lawrence County, 9.09 miles: Fulton Engineering Co., Albany, $88,805; I. B. Contracting Corporation, New York, $88,621; Dana W. Robbins, Inc., New York, $95,356; P. J. Kennedy, Utica, $85,400; Richard Hopkins, Troy, $99,669; De Graff & Hogeboom, Kingston, $93,988; A. J. ROCKWOOD, Rochester, $85,792 (awarded contract); Burns Bros. & Haley, Watertown, $99,785.

Road No. 5545, Schenectady County, 5.62 miles: F. A. Biggi, Brooklyn, $50,955; Thomas H. Karr, Troy, $53,065; Michael O'Brien, Cortland, $51,818; C. S. Mathusa, Albany, $53,779; William Green, Schenectady, $51,139; THE CURREN CORPORATION, Middletown, Conn., $44,222; Brown & Lowe Co., Schenectady, $58,360; E. J. Anderson, Albany, $51,754; J. J. Malloy, Schenectady, $49,919.

Road No. 1234, Schoharie County, 4.99 miles: De Graff & Hogeboom, Kingston, $49,088; John A. Jova, Inc., Newburgh, $46,315; Lane Construction Corporation, Meriden, Conn., $48,599; Belmar Contracting Co., Inc., Troy, $46,562; C. S. MATHUSA, Albany, $46,266 (awarded contract).

Buffalo, N. Y.—Bids will be received until 11a.m., May 21, by F. G. Ward, Comr. of Pub. Wks., for repaving Eagle, Pratt, Grider, West and Caldwell St.

✚Buffalo, N. Y.—The contract for paving Wyandotte Ave. with asphalt has been awarded to HENRY P. BURGARD CO., at $12,030.

✚Newburgh, N. Y.—(Official)—The contract for paving Cochecton Turnpike has been awarded to JAMES L. KEHOE, 64 Second St., Newburgh, N. Y. Noted Apr. 29.

New York, N. Y.—(Borough of Bronx)—(Official)—All bids received Apr. 2 for repairing asphalt block pavement and setting curb where necessary, were rejected. Noted Apr. 22 and May 6.

New York, N. Y.—(Borough of Brooklyn)—(Official)—Bids will be received until 11 a.m., May 19, by L. H. Pounds, Borough Pres., for improving a number of streets.

New York, N. Y.—(Borough of Brooklyn)—(Official)—Bids were received May 5 for improving (a) Belmont Ave. from Van Sinderen to Snediker Ave. and from Alabama to Pennsylvania Ave., (b) Lincoln Pl. from Underhill to Washington Ave., (c) 21st Ave. from 60th to 64th St., as follows: Uvalde Asphalt Paving Co., (a) $4739, (b) $6203, (c) $8569; Topeka Paving Co., Inc., (a) $4719, (b) $5522, (c) $7467; Brooklyn Alcatraz Co., (a) $4520, (b) $6022, (c) $7999; Sicilian Asphalt Paving Co., (a) $4557, (b) $6422, (c) $8634; Barber Asphalt Paving Co., (a) $5357, (b) $6927, (c) $10,249. Noted Apr. 29.

New York, N. Y.—(Borough of Brooklyn)—(Official)—Bids were received May 6 for paving (a) East 174th St., from Southern Blvd. to Bryant Ave., (b) for improving Exterior St. from East 151st St. to Jerome Ave., and (c) Overing St. from Westchester to Walker Ave. as follows: Municipal Asphalt Paving Co., (a) $4414; Asphalt Construction Co., (a) $4325, (b) $15,392; Cleveland Trinidad Paving Co., (a) $5649; Uvalde Asphalt Paving Co., (a) $4987; Barber Asphalt Paving Co., (a) $6959; P. J. Kearns Contracting Co., (b) $17,855; J. Leopold, (b) $14,598; Joseph L. Brennen, (b) $16,788; F. Cotter Contracting Co., (b) $16,256; Degnon Contracting Co,. (b) $19,426; Patrick H. Kelly, (a) $17,691; Matthew Beard Contracting Co., (b) $16,120; Burnside Contracting Co., (b) $16,249; W. H. Callahan Contracting Co., (c) $5413; Scott Bros., (c) $5392; Peter Krameh, (c) $5143; Salvador Purificato, (c) $5507; Di Minna & Di Blasio, (c) $5070. Noted Apr. 29.

New York, N. Y.—(Borough of Manhattan)—(Official)—The city plans to pave West 24th St. from Sixth to Seventh Ave. and from Eighth to 10th Ave., East 54th St. from Third to Lexington Ave.

Oswego, N. Y.—(Official)—Bids will be received until 2 p.m., May 14, by Charles W. Linsley, Comr. of Pub. Wks., for laying vitrified brick pavement.

Troy, N. Y.—(Official)—Bids will be received until 11 a.m., May 14, by the Board of Contract and Supply for putting a binder course of bituminous concrete on the Oil Mill Hill Roads. John J. McLaughlin is Secy. of Bd.

Atlantic City, N. J.—(Official)—Bids will be received until noon, May 19, by B. M. Townsend, City Comptroller, for the sale of $101,000 and $32,000 in bonds, the proceeds of which will be used for paving.

✚Cliffside Park, N. J.—(Cliffside post office)—The town has awarded the contract to the VALVOLINE OIL CO., Edgewater, N. J., for oiling the streets and roads in the town, at 6½c. per gal.

Freehold, N. J.—Bids have been received for the construction of Riverside Drive in Middletown Township, Monmouth County, as follows: J. Walter Butcher, $15,957; Charles E. Burdge, Red Bank, $16,758; Burke & Bonham Co., Plainfield, $16,667; Martin Griffin, Red Bank, $17,245; Frank C. Byram, Red Bank, $17,777; Weldon Construction Co., Rahway. Noted Apr. 8.

✚Jersey City, N. J.—The contract for repaving Tuers and Clinton Ave. with wood block has been awarded to RUDOLPH SAN GIOVANNI. Noted Apr. 22.

Jersey City, N. J.—The Board of Commissioners plans to improve Linden Ave. between Hudson County Blvd. and Fowler Ave. Michael I. Fagen is City Clk.

New Brunswick, N. J.—Bids will be received until May 17 by the Board of Freeholders for 100,000 sq.yd. of road oil dust layer and 50,000 sq.yd. of asphalt binder and screenings, to be used on the county roads. Alvin B. Fox, Perth Amboy, is County Engr.

Westfield, N. J.—Bids will be received until May 17 by the Town Council for improving portions of Edgewood Parkway, Chestnut and Maple St. Charles Clark is Town Clk.

West Orange, N. J.—The Borough Council is considering the improvement of Valley Rd. with permanent pavement.

West New York, N. J.—Plans have been completed for paving Fifth St. from Bergenline Ave. to Hudson County Blvd. with granite block on a 5-in. concrete foundation. The work will also call for bluestone flagging and curbing. James L. Wolfe is Town Clk.

✚Franklin, Penn.—The contract for paving Elk St. with brick has been awarded to the NORTHWESTERN CONSTRUCTION CO., Franklin.

Philadelphia, Penn.—The Highway Committee of the City Council contemplates an expenditure of $200,000 for paving streets.

✚Wilkinsburg, Penn.—(Official)—The contract for improving South Ave., Hay St. and Vincent Way has been awarded to MATTHEW OTT & CO., 414 Warrington Ave., Pittsburgh, at $8489. Noted Apr. 15.

★Wilmington, Del.—(Official)—Bids will be received until 4 p.m., May 28, by the Board of Directors of the Streets and Sewer Department for paving work.

✚Baltimore, Md.—The contract for repaving German St. from Hopkins Pl. to Paca St. has been awarded to SLACK & SLACK, at $38,000.

Betterton, Md.—Bids will be received until May 15 by A. H. Supplee, Secy. of City Comrs., for constructing concrete sidewalks. Kastenhuber & Anderson, Easton, Md., is Engr.

Culpeper, Va.—An election will be held May 29 to vote on the question of issuing $100,000 in bonds, the proceeds of which will be used for constructing roads in Cedar Mountain District, Culpeper County.

Clarksburg, W. Va.—According to press reports, the Commissioners of Harrison County plan to hard-surface roads. Approximately $80,000 is available.

Fairmont, W. Va.—The Commissioners of Marion County will spend the remainder of a $300,000 bond issue to complete the brick, bituminous and concrete roads in Mannington District which were begun last season. Noted July 10, 1913, Feb. 12 and Apr. 3, 1914.

Fairmont, W. Va.—The Commissioners of Marion County will spend the remainder of a $400,000 bond issue and will vote on the question of issuing an additional $100,000, the proceeds of which will be used to complete the brick, bituminous and concrete roads in Fairmont District. The roads were begun last season. Noted Apr. 9, 1914.

Huntington, W. Va.—Bids will be received until 1:30 p.m., May 21, by the Board of City Commissioners for paving a number of streets.

Moundsville, W. Va.—Bids will be received until May 28 by the Commissioners Court of Marshall County for grading a portion of Reilly Hill Rd., grading and macadamizing Fairmont Pike and Boggs Run Hill Rd. in Union District. T. J. Bartrug, Alexander Bldg., Moundsville, W. Va., is Engr.

New Cumberland, W. Va.—The Commissioners of Hancock County contemplate an expenditure of $40,000 for constructing brick roads.

Pineville, W. Va.—The Commissioners of Wyoming County contemplate improving a number of roads.

Princeton, W. Va.—An election will be held May 15 to vote on the question of issuing $350,000 in bonds, the proceeds of which will be used for constructing roads in Mercer County.

St. Marys, W. Va.—Press reports state that the Commissioners of Pleasants County will spend approximately $30,000 on completing concrete roads in Washington District. The roads were begun last year.

Stealey Heights, W. Va.—(Clarksburg post office)—Bids will be received until noon, May 25, for the sale of $30,000 in bonds, the proceeds of which will be used for paving. M. B. Newlon is Town Recdr.

Wheeling, W. Va.—The Commissioners of Ohio County plan an expenditure of $165,000 for resurfacing and constructing roads.

Marshall, N. C.—Bids will be received until May 25 by the Highway Commission of Madison County for grading and draining about 1.7 miles of highway. J. B. Clingham is County Rd. Engr.

Quitman, Ga.—An election will be held May 29 to vote on the question of issuing $400,000 in bonds, the proceeds to be used for constructing roads in Brooks County.

✚Gulfport, Fla.—A contract for paving 19,000 sq.yd. has been awarded to the GULFPORT CEMENT WORKS, Gulfport.

Tavares, Fla.—All bids received Apr. 15 for constructing and paving a number of roadways have been rejected. Bids will be readvertised. Noted Mar. 18.

✚Birmingham, Ala.—The contract for paving Alabama Ave. from 14th to 16th St. has been awarded to H. N. BOWDRY, Birmingham, at $5060.

✚Clanton, Ala.—The contract for the construction of 25 miles of road from Clanton to Maplesville has been awarded to W. H. WYNNE, Birmingham.

Evergreen, Ala.—Bids will be received until May 24 by the Commissioners of Conecuh County for grading, draining and surfacing a portion of the Evergreen and Andalusia Rd. and the Evergreen and Belleville Rd. The estimated cost of the work is $11,159. W. S. Keller, Montgomery, is State Highway Engr.

Haynesville, Ala.—Bids will be received until May 31 by the Commissioners of Lowndes County for improving a part of the Selma and Montgomery Rd. near Benton.

Huntsville, Ala.—Bids will be received until May 22 by the County Commissioners for constructing a macadam road, estimated to cost $4800. W. S. Keller, Montgomery, is State Highway Engr.

Charleston, Miss.—At a recent election the question of issuing $25,000 in bonds, the proceeds of which was to be used for constructing roads in Tallahatchie Supervisor's District No. 2, was defeated.

✚Abbeville, La.—A contract for constructing nine miles of road in Vermilion Parish has been awarded to SCHACKELFORD & CO., Bayou Sara, La.

Alexandria, La.—Bids will be received until May 19 by I. W. Sylvester, City Engr., for paving Boulton Ave. from Gould Ave. to Lee St.

Baton Rouge, La.—Bids will be received until June 20 by the Commission Council for laying approximately 170,000 sq.yd. of bituminous gravel pavement, with concrete curb and gutter; also 22,000 sq.yd. of hard-surface pavement. This is an extension from May 12. Noted Apr. 29.

Convent, La.—At a recent election the citizens of St. James Parish voted in favor of issuing $200,000 in bonds, the proceeds of which will be used for improving and constructing roads.

✚Lake Charles, La.—The contract for constructing 40 miles of road has been awarded to the WORTHINGTON CONSTRUCTION CO., Lake Charles. Noted Apr. 22.

✚Mandeville, La.—A contract for paving a number of streets has been awarded to T. M. THORNTON.

Thibodeaux, La.—The citizens of La Fourche Parish Road District No. 2 voted in favor of issuing $80,000 in bonds, the proceeds to be used for constructing about 20 miles of hard-surface roads, from Therior Canal near Raceland to the upper end of the parish. Noted Mar. 25.

✚Clarksville, Tenn.—A contract for constructing gravel surfaced roads in Montgomery County has been awarded to BLACKFORD & JANES, Cunningham, Tenn.

Waverly, Tenn.—At a recent election the citizens of Humphreys County voted in favor of issuing $250,000 in bonds, the proceeds of which will be used for constructing roads.

Catlettsburg, Ky.—At a recent election the question of issuing $500,000 in bonds, the proceeds of which was to be used for constructing roads, was defeated. Noted Apr. 3.

Dayton, Ky.—(Official)—Bids will be received until 8 p.m., May 17, by the City Council for improving Walnut St. from Second to Fourth Ave. William C. Martin is City Clk.

Hazard, Ky.—Bonds for $12,000 were sold May 1, the proceeds of which will be used for street improvements.

New Castle, Ky.—The Fiscal Court of Henry County has authorized the reconstruction of the road between New Castle and Eminence, a distance of about 3½ miles. The approximate cost of the work is $14,000.

Cleveland, Ohio—The S. H. Kleinman Co., Williamson Bldg., Cleveland, Ohio, real estate dealer, has purchased a 100-acre tract of land at the junction of Kinsman Rd. and South Kinsman Rd. The company plans to grade and drain streets and construct sidewalks and otherwise improve it. The estimated cost of the work is $65,000.

Cleveland, Ohio—(Official)—Bids will be received until noon, May 19, by the Commissioner of Purchases and Supplies for paving East 65th St. from Broadway to Heisley Ave. and East 138th St. from St. Clair to Woodworth Ave.

✚Columbus, Ohio—Contracts have been awarded for paving as follows: Tenth Ave. from Cleveland to Washington Ave. to A. G. PUGH, $10,699; 15th Ave. from High to Indianola Ave. to the ANDREWS ASPHALT PAVING CO., $6460; Oakwood Park Ave. from High to Indianola Ave. to B. V. PATTERSON, $35,632; Forest St. from Stelzer to Parsons Ave. to the CLEVELAND TRINIDAD ASPHALT CO., $15,668.

Columbus, Ohio—(Official)—Bids will be received until 2 p.m., May 14, by the State Highway Commissioner for constructing roads in various counties.

Elyria, Ohio—Bids will be received until 2 p.m., May 17, by John Langton, Clk., for grading Schadon Rd.

✚Ironton, Ohio—The contract for paving Center St. has been awarded to MAHL BROS., at $27,500.

✚Marble Cliff, Ohio—The contract for paving Cambridge Pl. has been awarded to D. E. SULLIVAN & SON, Columbus, at $15,183. Noted Apr. 8.

Oak Hill, Ohio—The city will construct approximately 4000 lin.ft. of combined curb and gutter of concrete and 2000 sq.yd. of waterbound macadam pavement. The contract will be awarded about July 1. A. E. Campbell, Jackson, is Engr.

Steubenville, Ohio—Bids will be received until June 4 by the Commissioners of Jefferson County for the construction of the Irondale and Yellow Creek Free Turnpike. John L. Means is County Audr.

Struthers, Ohio—Bids will be received until June 9 by Jonah Richards, Village Clk., for paving Broad St. and Poland Ave. with brick.

✚Urbana, Ohio—The contract for paving South Main St. has been awarded to the JOHNSON CONSTRUCTION CO., Chicago, Ill., at $38,800.

Wooster, Ohio—Bids will be received until noon, May 25, by Peter C. Given, City Clk., for grading, curbing, draining and paving with brick a portion of North Beaver St.

Indiana—(Official)—Bids will be received for road improvements in Indiana as follows: Terre Haute, until 11 a.m., May 15, by the Commissioners of Vigo County, for constructing gravel roads in Fayette and Riley Townships; New Albany, until 10 a.m., May 22, by the Commissioners of Floyd County, for constructing a road in New Albany Township; Covington, until 2 p.m., June 8, by the Commissioners of Fountain County, for constructing a gravel road in Jackson Township.

✚Jackson, Mich.—(Official)—A contract for repaving approximately 15,000 sq.yd. on Main St. and 3600 sq.yd. on Seymour St. has been awarded to WILLIAM RYAN, Lansing, at $1.94 sq.yd. Noted Apr. 22.

Manistique, Mich.—At a recent election the citizens of Schoolcraft County voted in favor of issuing $75,000 in bonds the proceeds of which will be used for constructing roads.

Atlanta, Ill.—The City Council will pave five blocks with brick. The estimated cost is $16,000.

Dixon, Ill.—The city will lay brick pavement on a number of streets this spring. The estimated cost is $50,000.

Springfield, Ill.—(Official)—Bids will be received by the State Highway Commission until 11 a.m., May 20, for constructing roads in various counties.

Beloit, Wis.—Press reports state that, at a recent election, the citizens voted in favor of issuing $48,000 in bonds, the proceeds of which will be used for paving streets.

Madison, Wis.—Bids will be received until May 20 by the Board of Public Works for paving portions of First, Second, Fourth, Fifth, Mifflin, Winnebago, Railroad, Main, Buell, Dewey, Williamson, Spring, Emerald, Adams, Harrison and Kendall St. O. S. Norsman is City Clk.

✚Marshfield, Wis.—(Official)—The contract has been awarded to the C. PETERSON CONSTRUCTION CO., Kenosha, for approximately 24,000 sq.yd. of pavement. W. F. Reichardt is City Engr.

✚Milwaukee, Wis.—A contract for paving 20th St. with bituminous concrete on old macadam has been awarded to HASE & WEIHER, Milwaukee, at $8937.

✚Sheboygan, Wis.—(Official)—Contracts have been awarded for paving as follows: Erie Ave., JOHN BRAUN, Sheboygan, $22,850; South Ninth St. and Indiana Ave., MURPHY CONSTRUCTION CO., $11,358 and $12,150, respectively; North Second St., G. H. STANCHFIELD, Fond du Lac, $15,087. Noted Apr. 29.

✚Three Lakes, Wis.—The Board of Supervisors of Oneida County, Rhinelander, has awarded the contract for constructing the Three Lakes-Sugar Camp Rd. to JOHN CHICHANOWSKI, Three Lakes, at $4390.

✚West Bend, Wis.—The contract for paving Main St. has been awarded to FRED EUL, Menasha, Wis., at $22,081. Noted Apr. 8.

Mankato, Minn.—According to press reports the city plans to pave 16 blocks in the business section.

✚Newton, Kan.—(Official)—A contract for constructing 33,000 sq.yd. of brick, asphaltic concrete, tar concrete, bitulithic and rock asphalt pavement has been awarded to A. JAICKS CO., Chicago, Ill., at $40,082. Other bids were: J. R. Ramsey & Co., $45,279; Heaney Construction Co., $40,412; Municipal Engineering & Construction Co., $44,076. Noted Apr. 22.

Kearney, Neb.—(Official)—We have been advised by T. N. Hartzell, City Clk., that the city is considering street paving later.

Anaconda, Mont.—Press reports state that the City Council voted to pave Commercial and Main St., at an estimated cost of $100,000.

Kansas City, Mo.—Bids will be received until May 20 by the Board of Public Works for constructing approximately 11,000 sq.yd. of concrete pavement.

✚St. Joseph, Mo.—Contracts have been awarded for paving Antonie St. and Prospect Ave. to DUBOIS & PETERS, at $6131; Augusta, Antonie and Poulin St. to A. M. HAFFTER, at $8352, and ½ mile of Garfield Ave. to OLSON & SCHMIDT, at $7613.

Slaton, Tex.—The City Council plans to pave sidewalks in the business and residential districts.

Longmont, Colo.—Bids will be received about June 1 for paving Main, Fourth and other streets with concrete. The estimated cost is $14,000. R. E. Richardson is City Engr. George H. Stonex is City Clk. Noted July 16, 1914.

✚Phoenix, Ariz.—The lowest bid submitted for paving Madison St. with bitulithic was that of the California-Arizona Construction Co., at $2.10 per sq.ft.

Oregon City, Ore.—The City Council will soon receive bids for paving Main St. The estimated cost of the improvement is $15,500.

✚Portland, Ore.—The City Commission has awarded a contract for the paving of a section of East 15th St. to the OREGON INDEPENDENT PAVING CO., at $5093.

Portland, Ore.—Proceedings have been started for hard-surfacing Shaver St., from Commercial St. to Capital Ave., the estimated cost of which is $36,497.

Alameda, Calif.—Bids will be received until May 11 by the City Council for the sale of $200,000 in bonds, the proceeds to be used for paving and improving streets.

✚Lindsay, Calif.—The City Council has awarded a contract for the paving of 1750 lin.ft. on Sweet Briar Ave. to the

WORSWICK STREET PAVING CO., Fresno, Calif., at 15 cents per sq.ft.

Long Beach, Calif.—The city contemplates an expenditure of $250,000 for street improvements.

Los Angeles, Calif.—Bids will be received until 2 p.m., May 17, by the Board of Supervisors of Los Angeles County for improving a portion of La Ballon Rd., in County Road District No. 4.

✚Pasadena, Calif.—The contract for improving Arroyo Drive from Westminster Drive to Grand Ave. has been awarded to ANDREW HOLLOWAY, 471 South Broadway, at $18,806.

✚Riverside, Calif.—(Official)—The contract for improving Seventh St. from Comer to Kansas Ave. has been awarded to the STAR CEMENT CO., 217 Loring Blk., Riverside. Noted Apr. 22.

✚Riverside, Calif.—(Official)—The contract for improving a portion of Fairmount Blvd. has been awarded to the JOHNSON-SHEA CO., Riverside, at $11,397.

✚Sacramento, Calif.—The City Commission has awarded a contract for the paving of D St., between 11th and 15th, to the McGILLIVRAY CONSTRUCTION CO., at $8499.

Sacramento, Calif.—(Official)—Bids will be received until 2 p.m., May 24, by the State Highway Commission, 515 Forum Bldg., for constructing state highways, as follows: Tehama County, from Red Bluff to the northern boundary, 12.7 miles; Tehama County, from Proberta to Red Bluff, 6.5 miles; Kings County, from Hanford to the eastern boundary, 8.9 miles; Los Angeles County, from Saugus to Castaic, 4.2 miles. Austin B. Fletcher is Highway Engr.

✚Sacramento, Calif.—The State Highway Commission has awarded contracts for highway construction as follows: Sonoma County, from Willow Brook to southerly boundary, to TWOHY BROS., San Francisco, at $39,729; Contra Costa County, from Richmond to Pinole, to BATES, BORLAND & AYER, Oakland, at $28,082; Monterey County, from Salinas to Lagunitas, to T. M. BURNS, Sacramento, at $30,662; Monterey County, from Bradley to San Ardo, to the FRANK H. SMITH CO., Eureka, at $92,435. Noted Apr. 15 and May 6.

Montreal, Que.—Concrete and asphalt sidewalks, costing $611,616, will be laid this season, of which one-half the cost will be paid by the city and the other half by the property owners benefited.

INDUSTRIAL WORKS

Boston, Mass.—The United States Radiator Corporation, 234 Congress St., Boston, Mass., will build two warehouses.

✚Boston, Mass.—The contract for the construction of a one-story, brick, public garage on Hyde Park Ave. and Everett St., for A. Waterman, has been awarded to S. L. MILTON, 44 Bromfield St.

Salem, Mass.—The factory of the Cunney Leather Co., Proctor St., which was recently destroyed by fire, will be rebuilt. It will be occupied by the Acme Leather Co., Peabody, Mass.

Southbridge, Mass.—Bids will be received until May 14 for the construction of a two-story, 70x90-ft., reinforced-concrete and terra cotta building for L. E. Bradley, on Crane St. Roger E. Coolidge is Arch.

✚Worcester, Mass.—The contract for the construction of a three-story, 46x112-ft., reinforced-concrete and terra cotta garage for the H. H. Bigelow Estate, has been awarded to W. M. BAILEY, 141 Milk St., Boston, Mass. Noted Nov. 19, 1914.

✚Bridgeport, Conn.—The Bridgeport Projectile Co. has awarded a contract to the SAMUEL AUSTIN & SON CO., for the construction of a 100x400-ft. forge shop, a 60x550-ft. machine shop, a 60x150-ft. power plant, and a 50x100-ft. accumulator building.

✚New York, N. Y.—(Borough of Brooklyn)—The contract for the construction of a five-story smoke-house on Degraw St. for the International Provision Co., has been awarded to the LUSTBADER CONSTRUCTION CO., 163 East 82nd St., (Borough of Manhattan). Charles Werner, 316 Flatbush Ave., is Arch. It will cost about $25,000.

✚New York, N. Y.—(Borough of Brooklyn)—JOHN THATCHER & SON, 60 Park Ave., has been awarded the contract for the construction of a two-story, 100x120-ft. foundry for M. H. Hamsley, foot of 26th St. The estimated cost is $40,000. William Higginson, 13 Park Row (Borough of Manhattan), is Arch.

✚New York, N. Y.—(Borough of Queens)—The contract has been awarded to EDWARD J. ALQUIST, 312 West 42nd St. (Borough of Manhattan), for the construction of a three-story, 50x87-ft., brick factory on Beebee Ave. and William St., Long Island City, for the American Clip Co., 366 Gerard Ave. (Borough of Manhattan). It will cost $10,000. R. H. Morris, 949 Broadway (Borough of Manhattan), is Arch.

✚New York, N. Y.—(Borough of Queens)—(Official)—The Courtney Developing Co., 1123 Broadway, New York, N. Y., has awarded the contract to the TURNER CONSTRUCTION CO., for the construction of a one- and two-story, 235x265-ft., reinforced-concrete building on Annabel Ave., Long Island City. Timmis & Chapman, 315 Fifth Ave., New York, N. Y., is Engr. Noted May 6.

✚Bayonne, N. J.—(Official)—The Vacuum Oil Co. has awarded the contract to the TURNER CONSTRUCTION CO., 11 Broadway, New York, N. Y., for the construction of six reinforced-concrete buildings. E. B. Van Leuvan is Engr.

Camden, N. J.—William F. Taubel, Riverside, N. J., will build a hosiery mill at Eighth and Spruce St.

Oil City, Penn.—Bids have been received for the construction of a one-story, 38x150-ft., brick and reinforced-concrete car-barn, with a 16x100-ft. wing, for the Citizens Traction Co. Day & Zimmerman, 611 Chestnut St., Philadelphia, is Arch. Noted Apr. 8.

Philadelphia, Penn.—Bids are being received for the construction of a three-story, 50x85-ft., brick warehouse at 38th and Powelton Ave. for the Powelton Storage Co., 38th and Powelton Ave. H. B. Peterson, 34 South 17th St., is Arch. Noted Apr. 15.

✚Philadelphia, Penn.—(Official)—The contract has been awarded to the FREUND-SIEDENBACH CO., Bulletin Bldg., at $25,000, for the construction of a one-story, 80x115-ft. garage for Samuel Sternberger, Tenth & Filbert St. Sauer & Hahn, 112 Chestnut St., is Arch. Noted May 6.

Philadelphia, Penn.—(Official)—William Steele & Sons, Arch., 1600 Arch St., advises us that bids will be received until May 15 by the Estate of C. J. Milne, 11th and Washington St., for the construction of a three-story, 59x76-ft., reinforced-concrete garage, to cost about $25,000. Noted May 6.

✚Baltimore, Md.—(Official)—The Canton Co., Commerce and Water St., has awarded the contract to the BURNS & RUSSELL CO., for the construction of a four-story, brick building, and a one-story building. F. L. Simon, care of Canton Co., is Engr. Noted May 6.

Richwood, W. Va.—The Cherry River Extract Co. will build a $500,000 plant. The main building will be of reinforced concrete, 100x300 ft .

Charlotte, N. C.—According to press reports, the Gulf Refining Co., Frick Annex, Pittsburgh, Penn., will build a $50,000 plant.

Laurinburg, N. C.—R. E. Lee and James A. Jones plan the construction of a $200,000 yarn mill.

Decatur, Ala.—The plant of the Lynnville Mill & Elevator Co., which was recently destroyed by fire, will be rebuilt at a cost of $75,000.

✚Fort Payne, Ala.—W. B. Davis & Son has awarded the contract to GEORGE A. BUSHONG, for the construction of a one-story, 60x150-ft., and a three-story, 60x150-ft. addition to its hosiery mill.

North Birmingham, Ala.—(Birmingham post office)—It is reported that Armour & Co., Union Stock Yards, Chicago, Ill., has purchased a 60-acre site, and will build a $500,000 packing plant.

Chattanooga, Tenn.—The Andrews Paper Box Co. will build a three-story, 80x80-ft. addition to its factory. It will also build an office building. The total cost will be $30,000.

✚Cleveland, Ohio—The contract for the construction of a seven-story warehouse at East 23rd and Lakeside Ave. for the Fischer Bros. Co., has been awarded to the F. W. MARK CONSTRUCTION CO., 314 Leader News Bldg. The Forest City Engineering Co., Hippodrome Bldg., is Arch. The estimated cost is $150,000. Noted Apr. 15.

Cleveland, Ohio—F. G. Walker, Arch. of the National Acme Mfg. Co., Stanton Rd., has prepared plans for the construction of a one-story, 67x216 ft., and a seven-story, 50x216 ft. addition to its plant.

Mansfield, Ohio—The Henry Burkhardt Packing Co. will build a four-story, brick and concrete cold-storage plant on Irwin St. The estimated cost is $20,000.

Steubenville, Ohio—The Steubenville Stone Co. will build a four-story, 21x140-ft. warehouse.

Youngstown, Ohio—The Youngstown Sheet & Tube Co. will soon award contracts for the proposed addition to its rolling mills to cost $2,000,000.

Detroit, Mich.—O. A. Green, 79 Alexandrine Ave. E., has obtained a permit, and will build a one-story garage on Hunt Ave., to cost $12,000.

Chicago, Ill.—(Official)—The proposed central produce market will include an eight-story cold-storage warehouse and freight station, three-story market, office building, auction building, river-front freight-house and dock, garage, and a power house, all of reinforced concrete. The plan will cost $20,000,000. Anderson Pace, 84 South Water St., is Secy. Noted Mar. 11.

Chicago, Ill.—The Erie Artificial Ice Co., 4600 West Erie St., will build a one-story, brick addition to its plant to cost $13,500. Bernard Berthel is Arch.

Omaha, Neb.—(Official)—The Herald Building Co. will start work soon on the construction of an eight-story, 66x132-ft., reinforced-concrete and brick building, to cost about $300,000. Thomas R. Kimball, 503 McCoyne Bldg., is Arch. Noted Apr. 29.

Billings, Mont.—The H. H. Franklin Mfg. Co., will build a three-story addition to its plant, to cost $25,000. Gordon Wright is Arch.

✚Houston, Tex.—The Western Newspaper Union, 1120 Franklin Ave., W. M. Harper, Mgr., has awarded the contract for the construction of a two-story building on Walker Ave. to G. C. STREET, JR. G. W. Collignon is Arch.

Eagle, Idaho—The Boise Valley Packing Co. has been incorporated with a capital of $20,000, and will build a meat packing plant.

Seattle, Wash.—(Official)—Bebb & Gould, Arch., Denny Bldg., advises us that construction will start in June on a one-story, 120x160-ft., reinforced-concrete printing plant for Tucker Hanford Co. Noted Apr. 29.

✚Spokane, Wash.—The contract for the concrete work on the construction of the Spokane Union Stock Yards has been awarded to C. M. PAYNE, at approximately $15,000.

Tacoma, Wash.—(Official)—E. A. Sims, Port Townsend, Wash., advises us that no construction work will be started as yet on the proposed cold-storage plant. Noted Apr. 29.

✚Portland, Ore.—The contract for the construction of a four-story garage at Broadway and Davis St., has been awarded by Gay Lombard to A. C. MEYER, at approximately $40,000.

Oakland, Calif.—The Pacific Coast Shredded Wheat Co. will build a factory to cost between $350,000 and $500,000. F. M. Clough, Syndicate Bldg., is Secy. and Treas.

✚San Francisco, Calif.—Charles F. Hanlon has awarded the contract for the construction of a three-story, concrete garage at Bush St. and St. George Alley, to P. A. PALMER, Monadnock Bldg., at $32,000.

San Francisco, Calif.—The Lewis Packing Co. will construct a three-story factory at Columbus Ave. and Chestnut St.

FEDERAL GOVERNMENT WORK

★Dredging—Portland, Maine—Bids will be received until noon, May 25, by Maj. F. A. Pope, U. S. Engineers Office, 537 Congress St., Portland, for dredging in Portland Harbor.

Repairing Wharf—New London, Conn.—Bids will be received until 2 p.m., May 22, by J. T. Yates, Lighthouse Inspector, Tompkinsville, N. Y., for repairing the U. S. lighthouse service wharf at New London.

✚Residence—Cape Vincent, N. Y.—The contract has been awarded to J. A. SCOBELL, Cape Vincent, at $7495, for constructing a residence at the U. S. fisheries station. Noted Apr. 15.

★Dredging—New York, N. Y.—Bids will be received until 2:30 p.m., May 18, by Frederic C. Howe, Comr. of Immigration, Ellis Island, New York Harbor, for dredging at the U. S. immigration station, Ellis Island.

Plumbing System—New York, N. Y.—Bids will be received until 3 p.m., June 2, by James A. Wetmore, Acting Superv. Arch., Treasury Dept., Washington, D. C., for installing a new plumbing system in the U. S. post office and courthouse, New York.

★Sea Wall—New York, N. Y.—Bids will be received until 2:30 p.m., May 18, by Frederic C. Howe, Comr. of Immigration, Ellis Island, New York Harbor, for constructing a sea wall at the U. S. immigration station.

✚Building—Beltsville, Md.—The contract has been awarded to the J. L. ROBINSON CONSTRUCTION CO., Baltimore, at $5000, for constructing a brick and concrete building for the Agricultural Department. Noted Apr. 22.

✚Swimming Pools—Washington, D. C.—The contract has been awarded to A. S. GASKINS & SONS, Washington, D. C., at $13,900, by the Commissioners of the District of Columbia, for constructing swimming pools in playgrounds.

Shipbuilding Cranes—Norfolk, Va.—Bids will be received until 11 a.m., June 12, by H. R. Stanford, Ch. of Bureau of Yards and Docks, Washington, D. C., for shipbuilding cranes for the Norfolk Navy Yard. Noted May 6.

Locks—Ravenswood, W. Va.—The Ohio River Board of Engineers has approved plans for the construction of locks for Ohio River dams Nos. 21 and 22.

Attendants' Quarters—Tampa, Fla.—Bids will be received until 3 p.m., June 14, by James A. Wetmore, Acting Superv. Arch., Treasury Dept., Washington, D. C., for constructing complete attendants' quarters, disinfecting shed, oil house and wharf at the quarantine station at Tampa Bay.

★Guard Gate—Louisville, Ky.—Bids will be received until noon, June 4, by Maj. J. C. Oakes, U. S. Engineer Office, Louisville, for erecting one Miering guard gate of two leaves for lock No. 41, Ohio River.

Coast Guard Station—Milwaukee, Wis.—Bids will be received by Capt. E. P. Bertholf, Washington, D. C., until May 27, for constructing a coast guard station at Milwaukee.

✚★Dipper Dredge—Duluth, Minn.—The contract has been awarded to the HARTMAN-GREILING CO., Green Bay, Wis., at $104,400, for constructing and delivering the steel-hull dipper dredge "Col. D. D. Gaillard." Noted Feb. 25 and Apr. 22.

Water System—Rosebud, Mont.—Bids were received May 1 for installing a water system at the Custer Cemetery, Crow Agency, as follows: W. D. Lovell, Minneapolis, Minn., $6000; Billings Engineering & Contracting Co., Billings, $8960, and E. Lingstrom, Billings, $9200. Noted Apr. 8.

Dormitory—Cherokee, Okla.—Bids were received May 5 by the Commissioner of Indian Affairs, Washington, D. C., for the construction of a dormitory at the Cherokee Indian School as follows: A. F. Krumrei Construction Co., Muskogee, $17,975; W. D. Lovell, Minneapolis, Minn., $19,550; Horton & Smith, Montezuma, Iowa, $22,770. Noted Apr. 22.

Post Office—Cuero, Tex.—Bids will be received until 3 p.m., June 21, by James A. Wetmore, Acting Superv. Arch., Treasury Dept., Washington, D. C., for constructing complete the U. S. post office at Cuero.

Building—Marlin, Tex.—Bids will be received until 3 p.m., June 14, by James A. Wetmore, Acting Superv. Arch., Treasury Dept., Washington, D. C., for constructing complete a one-story and basement and mezzanine brick and stone building for the U. S. post office at Marlin.

★Electric-Light and Refrigerating Plant—Ft. Huachuca, Ariz.—Bids will be received until 1 p.m., June 9, by the Constructing Quartermaster, Ft. Huachuca, for constructing complete an electric-light and refrigerating plant and for a wiring system.

Stone—Lone Tree, Wash.—Bids were received Apr. 28 by Maj. J. B. Cavanaugh, Burke Bldg., Seattle, for furnishing 200,000 tons of stone for the Lone Tree jetty as follows: Hercules Sandstone Co., Tenino, Wash., Class A or B, $1.55 per ton, $310,000; McCormick Lumber Co., Seattle, $1.75 per ton, $350,000; Owens & Eden, Seattle, $1.93, $386,000; J. M. Clapp, Seattle, $1.71, $342,000; Cascade Construction Co., Seattle, $1.65, $330,000. Noted Apr. 22.

MISCELLANEOUS

✚Dredging—Scituate, Mass.—The contract for dredging in Scituate Harbor has been awarded by the State Harbor and Land Commission to the BAY STATE DREDGING CO., Boston, at 26.9c. per cu.yd., ordinary dredging; $10 per cu.yd., for ledge, and 46c. per cu.yd. for rip-rap. William F. Williams, State House, Boston, is Ch. Engr.

★Razing Power House—Albany, N. Y.—(Official)—Bids will be received by the Trustees of Public Buildings until 4 p.m., May 18, for the demolition of the power house. Lewis F. Pilcher, Capitol Bldg., is State Arch.

Pavilion—New York, N. Y.—(Borough of Bronx)—(Official)—Bids will be received by S. S. Goldwater, Pres., Board of Health, Centre and Walker St. (Borough of Manhattan), until 10:30 a.m., May 27, for constructing a contract pavilion at the Riverside Hospital, North Brother Island.

Screens—New York, N. Y.—(Borough of Manhattan)—(Official)—Bids will be received by John A. Kingsbury, Comr., Dept. of Public Charities, Municipal Bldg., until 10:30 a.m., May 19, for constructing and installing fly screens on windows, transoms and doors of certain buildings of the various institutions under the jurisdiction of the Department of Public Charities, as specified under title "A" and title "B."

✚Corporation Yard—New York, N. Y.—(Borough of Manhattan)—(Official)—The contract for the construction of a corporation yard under the Manhattan Bridge, between Madison and Monroe St., has been awarded to the J. KRESSE CO., 1133 Broadway, New York, N. Y., at $10,800. Noted Mar. 25 and Apr. 29.

Screen Work—New York, N. Y.—(Borough of Richmond)—(Official)—Bids will be received until 10:30 a.m., May 18, by John A. Kingsbury, Comr., Dept. of Charities, Municipal Bldg., (Borough of Manhattan), for the installation of certain screen work on the windows and balconies of various buildings of the Sea View Hospital.

Piles—Ridgefield Park, N. J.—Bids will be received by the Board of Village Commissioners until May 18, for excavating testpits and driving test piles. M. D. Starker is Village Clk.

★✚Levee Work—Augusta, Ga.—The contract for the construction of an earth levee along the Savannah River below the City of Augusta, has been awarded as follows: Sections 5 and 6 to the GLOBE DREDGING CO., Savannah, and C. E. GLOVER, Augusta, at about $124,000. Nisbet Wingfield is Ch. Engr. Noted Apr. 8.

Docks—Mobile, Ala.—The city has asked the Legislature for permission to vote on a $500,000 bond issue, for a municipal dock system.

✚★Doors—New Orleans, La.—The contract for furnishing and installing fire doors and steel rolling doors, etc., for the cotton warehouses and terminal now under construction on the east bank of the Mississippi River, has been awarded to the KINNEAR MFG. CO., at $86,430. Noted Apr. 22.

★Chimney and Foundation—New Orleans, La.—(Official)—Bids will be received until 8 p.m., May 19, by the Board of Commissioners of the Port of New Orleans for the construction of a tapering reinforced-concrete chimney and foundation for the cotton warehouses and terminal.

Drainage—Jackson, Miss.—(Official)—Bids will be received by J. W. Power, Secy. of State, until May 17, for concrete work, tile drainage, etc., according to plans on file in the Secretary's office.

✚Elimination of Grade Crossing—Louisville, Ky.—The contract for the construction of an underpass beneath the Louisville & Nashville R.R. tracks, between Brook and Floyd St. has been awarded to GEORGE M. EADY, at $8293. Other bidders were: H. H. Snyder, $16,539; G. R. Gregg, $10,258; J. H. Cahill, $9396; Durham Construction Co., $9634; L. W. Hancock Co., $10,236; Henry Bickel Co., $8332; William Koppelman, $8396; J. W. O'Shea Co., $10,344.

✚Ditch—Bucyrus, Ohio—The contract for constructing Mud Run Ditch has been awarded as follows: Section 1, C. B. WESTON, Marion, at $5875; Section 2, J. E. HOUSE, Wapakoneta, at $5359; tile to V. H. McDOUGAL and N. ROBINSON, at $5800. L. P. Michaelis is County Surveyor. Noted Apr. 15.

Pavilion—Cleveland, Ohio—Bids will be received by the Commissioner of Purchases and Supplies, City Hall, until noon, May 21, for the construction of a pavilion in Washington Park. Specifications may be obtained from F. H. Betz, City Arch., 420 City Hall.

Dredging—Lorain, Ohio—Bids will be received by the City Council about July 15 for dredging in the Ohio River. The work requires the removal of about 110,000 cu.yd. of silt and clay. C. M. Osborn is City Engr.

Motor Fire Apparatus—Martins Ferry, Ohio—Bids will be received by the Director of Public Safety until noon, May 29, for furnishing to the Fire Department, two combination auto hose and chemical fire engines of not less than 55 hp., A.L.A.M. rating; and hose-body having the capacity to carry not less than 1000 ft. of hose; bids to cover same with or without booster pump. The chemical tank of each engine shall be not less than 40 gal. capacity. George H. Harris is Clk.

✚River Improvement—Tiffin, Ohio—The contract for improvements in the Sandusky River has been awarded to LOUIS JONES, Fostoria, Ohio, at $61,120. Noted Dec. 31, Feb. 18 and Apr. 8.

Ditch—Anderson, Ind.—Bids will be received by the County Surveyor until 10 a.m., May 29, for constructing an open dredge ditch with five tributaries, three to be of tile and two open. William F. McVaugh is Drainage Comr.

Drainage—Corunna, Mich.—Bids will be received until May 19 by the Commissioners appointed by Judge of Probate, Matthew Bush, for constructing the Scribner and Neil drain.

Drainage—Davison, Mich.—(Official)—Bids will be received by A. H. Reid, County Drain Comr., Davison, until 10 a.m., May 28, for constructing the Dumanor's Drain.

Drainage—Flint, Mich.—(Official)—Bids will be received by A. H. Reid, County Drain Comr., Court House, Flint, until May 21, for the construction of the Soper and Extension drain.

✚Flood Protection—Indianapolis, Ind.—The contract for flood protection along the west bank of the White River, has been awarded to the CLEARY WHITE CONSTRUCTION CO., Chicago, Ill., at $458,065. B. J. T. Jeup is City Engr. Noted Mar. 18 and May 6.

✚Drainage—Danville, Ill.—The contract for about 12,000 cu.yd. of open work and 58,650 ft. of tile work, in the Jamesburg Drainage District, has been awarded to the NATIONAL DRAIN TILE CO., Terre Haute, Ind., at $41,500.

Drainage—Oak Creek, Wis.—Bids will be received by D. T. Gerber, Chn., Town Bd., until 10 a.m., June 5, for constructing the Oak Creek drain.

Street Signs—El Paso, Tex.—(Official)—The city contemplates installing new street signs throughout the city. C. W. Fassett is City Clk.

Drainage—Paris, Tex.—Plans are being formulated for organizing a drainage district on both sides of the Sulphur River in this county. Bonds will be issued and a complete system of drainage constructed.

✚Sprinkler System—Sugar Land, Tex.—The contract for the construction of an automatic sprinkler system, in the plant of the Imperial Sugar Co. has been awarded to the PHILLIPS CO., Chicago, Ill., at about $50,000.

Reclamation Work—Lordsburg, N. M.—Milton McWhorter and J. F. Winner, Oakland, Calif., are interested in a development company, recently incorporated at Playas, N. M., for the purpose of reclaiming several thousand acres of land in the Playas Valley.

Drainage—Corinne, Utah—E. W. Dunn, Brigham, is Secy. of the proposed drainage district to cost about $100,000. D. F. Brayton, Salt Lake City, is Attorney.

✚Dam—Ogden, Utah—It is reported that the contract for constructing the dam for the Davis & Weber Counties Canal Co. in East Cañon Creek, has been awarded to the UTAH CONSTRUCTION CO., Ogden. The estimated cost is $150,000. J. C. Nye is Secy. Noted May 6.

✚Dikes—Raymond, Wash.—The contract for constructing dikes on 200 acres of tideland along the Willapa River has been awarded by W. A. Potter, Sacramento, Calif., to the WASHINGTON DIKING CO.

Underground Work—Seattle, Wash.—Application has been made to the City Council, by A. P. Gillies, promoter of the local terminal and tunnel project under way, for a franchise for the underground portion of the work, estimated to cost $15,000,000. The entire project will entail an expenditure of approximately $50,000,000. The proposition will be financed by the Union Terminals Co., Ltd., Seattle.

✚Motor Fire Apparatus—Fresno, Calif.—The AMERICAN LA FRANCE CO. was awarded the contract at $9500 for furnishing a 135-hp. motor driven fire engine.

✚Steel Doors—San Francisco, Calif.—The Board of State Harbor Commissioners has awarded a contract for the installation of rolling doors for Pier 24, to C. JORGENSEN, at $10,450.

Harbor Improvement—Toronto, Ont.—According to press reports, the Toronto Harbor Commissioners have decided to spend about $2,000,000 in harbor improvements.

BUILDINGS

Other items relative to Building Construction will be found under the following headings: "Industrial Works;" "Federal Government Work" and "Miscellaneous"

Augusta, Maine—Bids have been received by T. G. O'Connell, Arch., 18 Boylston St., Boston, Mass., for the construction of a one-story, 54x127-ft. church for St. Augustine Congregation. Rev. J. B. Decory is pastor. The estimated cost is $50,000.

Biddeford Pool, Maine—T. B. Linehan, Biddeford, Maine, is receiving revised bids for the construction of a one-story church to cost $40,000. T. G. O'Connell, 18 Boylston St., Boston, Mass., is Arch.

✚Brunswick, Maine—The contract for the construction of a two-story, 67x129-ft. school has been awarded to GEORGE H. WILBER & SON, Bangor, Maine. Allen & Curtis, 40 Central St., Boston, Mass., and Felix A. Burton, Brunswick, Maine, are Archs. Noted Mar. 1.

Nahant, Mass.—Bids will be received until May 20 by the School Building Committee for the construction of the Wilson High School on Nahant Rd. Samuel Hammond is Chn. of Bldg. Com. Elmer S. Bailey, 33 Cornhill St., Boston, Mass., is Arch.

New London, Conn.—The city of New London, B. F. Mahan, Mayor, City Hall, will build a three-story, 68x118-ft. almshouse to cost $40,000. James Sweeney, Arch., 140 State St., is receiving bids.

✚Buffalo, N. Y.—J. HENRY MILLER, INC., Eutaw and Franklin St., Baltimore, Md., has been awarded the contract for the construction of a terminal for the Lehigh Valley R.R. Estimated cost, $600,000. Noted Jan. 28.

Harriman, N. Y.—Bids will soon be received by the Board of Education for the construction of a two-story, 50x100-ft. school. Estimated cost, $40,000. Peabody, Wilson & Brown, 389 Fifth Ave., New York, is Arch. Noted Oct. 1.

✚Ithaca, N. Y.—The MATHEWS CONSTRUCTION CO., Princeton, N. J., has been awarded the contracts for unit A and D of the dormitories to be constructed at the Cornell University. The estimated cost is $350,000. Noted Aug. 6, Oct. 1 and Apr. 29.

New York, N. Y.—(Borough of Bronx)—(Official)—Bids will be received until 10:30 a.m., May 27, by the Board of Health, Department of Health, Centre and Walker St., New York, for the construction of a concrete dormitory building for females at the Riverside Hospital, North Brother Island. Noted Apr. 29, Feb. 11, under Borough of Manhattan.

New York, N. Y.—(Borough of Bronx)—Plans have been prepared by A. F. Schmitt, Arch., 604 Courtland Ave., for the construction of a church at 138th St. near St. Ann's Ave. for St. Luke's Church. The estimated cost is $100,000.

New York, N. Y.—(Borough of Brooklyn)—The Bay Ridge Theater Corporation, recently incorporated with a capital of $250,000, plans to construct a 100x175-ft. motion-picture theater on 72d St. and Third Ave.

New York, N. Y.—(Borough of Manhattan)—The Trustees of Columbia University, in conjunction with the Presbyterian Hospital, plan the construction of a medical college and hospital at Broadway, 165th to 168th St. and Ft. Washington Ave. Estimated cost is $7,500,000.

New York, N. Y.—(Borough of Manhattan)—(Official)—Bids will be received until 10:30 a.m., May 20, by the Department of Public Charities, Municipal Bldg., for underpinning the foundations of the dormitory for females, at the Metropolitan Hospital, Blackwells Island. John A. Kingsbury is Comr.

New York, N. Y.—(Borough of Manhattan)—(Official)—Bids will be received until noon, May 17, by the Board of Trustees, Staff Room of Bellevue Hospital, 415 East 26th St., for completing the abandoned contract of the Tower Construction Co. The contract calls for the alterations to the power house and ambulance station of the Harlem Hospital, Lenox Ave., 136th and 137th St.

New York, N. Y.—(Borough of Manhattan)—William H. Barnum and William Everdell, Jr., plan to construct a 12-story building on Broadway between 35th and 36th St. The estimated cost is $2,000,000. Clinton & Russell, 32 Nassau St., is Arch.

New York, N. Y.—(Borough of Manhattan)—Plans have been prepared by William H. Birkmire, Arch., 1133 Broadway, for the construction of a 12-story loft building at 38th St. near Eighth Ave. for the Birwin Realty Corporation, 1133 Broadway. The estimated cost is $400,000.

✚New York, N. Y.—(Borough of Manhattan)—The contract for the construction of a three-story, 175x262-ft. university hall for Columbia University, 116th St. and Amsterdam Ave., has been awarded to M. REID & CO., 114 West 39th St. Noted Apr. 15.

New York, N. Y.—(Borough of Manhattan)—Bids will be received about May 15 by the Manhattan Construction Co., Marbridge Bldg., for the construction of a 12-story, 54x120-ft. store and office building at 278 Madison Ave., for Lilla B. Hyde, 437 Fifth Ave. Estimated cost, $300,000. Noted Apr. 22.

New York, N. Y.—(Borough of Queens)—Plans have been prepared by A. Wallace McCrea, for the construction of a one-story, 25x100-ft. bank building at the Queensboro Bridge Plaza, Long Island City, for the Bank of Long Island. Estimated cost, $50,000. Noted Apr. 22.

New York, N. Y.—(Borough of Richmond)—Plans have been prepared for the construction of a store and apartment building at Mariner's Harbor, S. I., for the Bradley Impovement Co.

Orchard Park, N. Y.—Plans are being prepared by Robert North, Arch., Prudential Bldg., Buffalo, for the construction of a two-story school, to cost about $50,000.

Port Chester, N. Y.—Plans are being revised by Hewitt & Bottomley, Arch., 527 Fifth Ave., New York, for the construction of a three-story high school. The estimated cost is $125,000. C. D. Camp, 394 Irving Ave., is Clk., Bd. of Education.

Scarsdale, N. Y.—The Union Free School District No. 1 plans to construct two school buildings. Estimated cost, $130,000. Thomas F. Burgess, care of General Chemical Co., 25 Broad St., New York, is Clk.

Schenectady, N. Y.—The American Locomotive Co., North Jay St., plans to construct an office building on Maxon Rd. between Nott and Peek St. The building will be used as the general offices of the company now at 30 Church St., New York. Estimated cost, $200,000. W. L. Reid is Gen. Mgr.

Syracuse, N. Y.—Bids are being received for the construction of a five-story Masonic Temple for the Syracuse Masonic Temple Association. W. F. Conough, 601 Kirk Bldg., is Pres. of Bldg. Com. The estimated cost is $200,000. Noted Feb. 4.

Hackensack, N. J.—Haenke & Sherman, Arch., 15 Broad St., New York, N. Y., has been retained to prepare plans for the construction of an addition to the Bergen County Jail at Hackensack. The Board of Chosen Freeholders of Bergen County will be in charge of the work. Charles N. Cumberland is Chn. of Bldg. Com.

Newark, N. J.—Fred Falzler & Co., 810 Broad St., Newark, at $62,874, submitted the lowest bid for the construction of an addition to the Oliver St. School. Noted Feb. 18.

Palisades Park, N. J.—Bids will be received for the construction of addition to the three-story school. Estimated cost, $95,000. W. R. Romain is Clk., Bd. of Education.

West Hoboken, N. J.—Plans have been approved by the National Building Co. of New Jersey, for the construction of a five-story building at the Hudson County Blvd. and Angelique St. The estimated cost is $65,000.

✚West New York, N. J.—The Church of Our Lady Help of Christians has awarded the contract for the construction of a two-story school on Polk St. to JULIUS VROMAN, at $40,160.

Ebensburg, Penn.—Bids will be received about May 20 by the Cambria Title Savings & Trust Co., Ebensburg, for the construction of a four-story bank and office building. Estimated cost, $60,000. Hersh & Hersh, Central Trust Bldg., Altoona, is Arch.

Erie, Penn.—Bids are being received for the construction of a three-story clubhouse for the Fraternal Order of Moose. Estimated cost, $50,000. D. W. Wright is Member of Bldg. Com.

✚Johnsonburg, Penn.—HYDE-MURPHY CO., Ridgway, at $44,543, has been awarded the contract for the construction of a two-story school. Clyde S. Adams, 1233 Arch St., Philadelphia, is Arch. Noted Feb. 11.

✚Meadville, Penn.—The contract for the construction of the Carnegie Hall of Chemistry at the Allegheny College has been awarded to CUTHBERT BROS. & CO., Pittsburgh, at $40,253. Noted Mar. 18.

✚Philadelphia, Penn.—FREUND SEIDENBACK CO., Bulletin Bldg., Philadelphia, has been awarded the contract for the construction of a one-story bank building for the State Bank of Philadelphia, 603 Chestnut St. Estimated cost, $40,000.

✚Philadelphia, Penn.—The contract for the construction of a 13-story apartment house at Walnut and Moravian St. has been awarded to CRAMP & CO., Denckla Bldg., Philadelphia. Frederick Webber, Arch., 403 Morris Bldg., prepared the plans. Noted Mar. 11 and Apr. 15.

✚Pittsburgh, Penn.—BOOTH & FLINN, at about $100,000, was awarded the contract for the excavation of the Frick Arcade at Fifth Ave., Grant St., Oliver Ave. and William Penn Pl. for Henry Clay Frick. The entire cost is estimated at $2,000,000. Noted Mar. 4 and Apr. 8.

Pittsburgh, Penn.—H. E. Kennedy & Co., Arch., Home Trust Bldg., is preparing plans for the construction of a two-story motion picture theater for the Nicola Land Co., Farmers' Bank Bldg. The estimated cost is $100,000.

Pottstown, Penn.—Hoffman & Co., Arch., Globe Theater Bldg., Philadelphia, is preparing plans for the construction of a three-story theater for Philip Brenneman, Pottstown. Estimated cost, $75,000.

✚Baltimore, Md.—The contract for the construction of an office building for the Crown Cork & Seal Co., Guilford Ave., has been awarded to R. B. MASON, 308 West Madison St., Baltimore. Otto G. Simonson, Maryland Casualty Tower, is Arch.

Clifton Forge, Va.—Bids will be received until noon, May 17, by W. T. Oppenheimer of the Chesapeake & Ohio Ry., Room 1304, First National Bank Bldg., Richmond, for the construction of a hospital. Charles M. Robinson, 508-12 Times Despatch Bldg., Richmond, is Arch.

✚Berkeley Springs, W. Va.—The contract for the construction of a four-story, fireproof hotel for the Berkeley Corporation has been awarded to JAMES H. WELLS, 1215 Filbert Bldg., Philadelphia, Penn. Estimated cost, $100,000. Noted Oct. 8.

Clarksburg, W. Va.—Plans have been prepared by C. D. Cooley Co., Arch., Century Bldg., Pittsburgh, Penn., for the construction of a three-story dormitory at the Springfield School for Girls. Estimated cost, $60,000.

Fairmont, W. Va.—J. L. Crouse, Greensboro, N. C., submitted the lowest bid for the construction of a two-story building at the State Normal School. Estimated cost, $125,000. Noted Feb. 25.

✚Grafton, W. Va.—(Official)—ROCHER-BRUNER CO., 609 Johnston Bldg., Cincinnati, Ohio, at $74,622, has been awarded the contract for the construction of a high school. Other bids were: F. C. Wolf, Elyria, Ohio; King Lumber Co., Charlottesville, Va.; Potter Lumber Co., East Liverpool, Ohio; Holbert & Spedden, Fairmont, W. Va.. W. M. Watkins is Secy., Bd. of Education. Noted Apr. 22 and 29.

Salem, W. Va.—The Independent School District will hold an election May 25 to vote on the question of issuing $60,000 in bonds for the construction of a high school.

✚Wheeling, W. Va.—The W. BELTZ & SONS' CO. has been awarded the contract for the construction of a building near Edgington Lane for the Carmelite Home. Fred Faris is Arch. Estimated cost, $40,000.

✚Savannah, Ga.—A. A. ARTLEY, at about $52,000, was awarded the contract by the Board of Education for the construction of a two-story, 96x160-ft. school on Waters Ave.

New Orleans, La.—Plans have been prepared by S. S. Labouisse, Arch., for the construction of a 13-story building for the New Orleans Cotton Exchange. The estimated cost is between $500,000 and $750,000.

Lawrenceburg, Ky.—Joseph & Joseph, Arch., 809 Great Southern Bldg., Louisville, is preparing plans for the construction of a two-story courthouse for Anderson County. J. S. O'Dell, Judge of Fiscal Court, is Chn. Estimated cost, $60,000.

Louisville, Ky.—Arthur Loomis and Julius Hartman, Todd Bldg., are preparing plans for the construction of a four-story mercantile building on Fourth Ave. near Walnut St. This is one of a group of buildings which will be constructed at an estimated cost of $200,000.

Akron, Ohio—The Akron City Hospital plans the construction of additions and improvements to the hospital. Estimated cost, $75,000. C. B. Raymond, is Pres., Bd. of Hospital Trustees.

Barberton, Ohio—Harpster & Bliss, Arch., Nantucket Bldg., Akron, is preparing plans for the construction of a three-story high school. The estimated cost is $150,000. J. M. Hessler, 622 North Third St., Barberton, is Clk., Bd. of Education.

Bloomdale, Ohio—(Official)—At a recent election the citizens voted against the question of issuing $60,000 in bonds, the proceeds of which was to have been used for the construction of a school. Edward Brown is Clk. Noted May 6.

Cleveland, Ohio—According to press reports Charles W. Somers, Harvey Bros., and the First National Bank are interested in a project to reconstruct the Lennox Block, East Ninth St. and Euclid Ave. The estimated cost of the entire project is $3,000,000.

Cleveland, Ohio—Work will soon be started on the construction of a fireproof market house at Euclid Ave., opposite East 46th St. A. B. Smythe, Pres. of Glengariff Realty Co., Swetland Bldg., is interested. The estimated cost is $500,000. Noted Mar. 25.

Cleveland, Ohio—Bids are being received by Richardson & Yost, Arch., 354 Rockefeller Bldg., for the construction of a two-story theater on Superior Ave. for the Mall Building Co. Estimated cost, $60,000. Noted Mar. 4.

Cleveland, Ohio—Plans have been prepared by, Franz C. Warner, Arch., Hippodrome Bldg., for the construction of a four-story, fireproof dental school building, at 10,940 Euclid Ave., for the Western Reserve University, Cleveland. Noted Aug. 27 and Oct. 15.

Findlay, Ohio—The citizens of Hancock County have voted in favor of issuing $100,000 in bonds, the proceeds to be used for the construction of infirmary buildings. Noted Apr. 15.

Lancaster, Ohio—Bids will be received until noon, May 17, by H. B. Peters, Clk., Hospital Comn., for the construction of a municipal hospital. W. T. Mills, Columbus, is Arch. Noted Feb. 25.

Newark, Ohio—F. S. Gleichauf, Arch., 4729 Franklin Ave., Cleveland, has received bids for the construction of a two-story parochial school for St. Francis Church. Estimated cost, $60,000.

Niles, Ohio—Bids are being received by the National McKinley Birthplace Memorial Association for the construction of a building to cost about $500,000. Plans prepared by J. Vanderbret, Arch., Youngstown, have been approved by the association. Noted Sept. 10 and Apr. 15.

Toledo, Ohio—Bates & Gamble, Arch., is preparing plans for remodeling the Produce Exchange at Madison and St. Clair St. The estimated cost is $100,000.

Toledo, Ohio—Bids will be received until noon, May 17, by George L. McKesson, Dir. of Schools, for the construction of the Walbridge School. Edwin M. Gee, Board of Education Bldg., is Arch. Noted Mar. 18 and Apr. 15.

Toledo, Ohio—The Board of Education will authorize the sale of $1,000,000 in bonds, the proceeds to be used for the construction of additional schools.

Wilmington, Ohio—Plans are being prepared by Weber, Werner & Adkins, Arch., 1206 Mercantile Library Bldg., Cincinnati, for the construction of a three-story courthouse and jail for Clinton County. The estimated cost is $300,000. Harry Gastl, Wilmington, is Audr. Noted Mar. 4.

Woodsfield, Ohio—At a recent election the citizens voted in favor of issuing $50,000 in bonds, the proceeds to be used for the construction of a school.

Ann Arbor, Mich.—Plans have been prepared by Pond & Pond, Arch., 64 East Van Buren St., Chicago, Ill., for the construction of a four-story clubhouse and dormitory building at the University of Michigan. The estimated cost is $600,000.

Muskegon, Mich.—The Board of Education contemplates the construction of a high school. Estimated cost, $200,000. Robinson & Co., 449 Houseman Bldg., Grand Rapids, is Arch.

Port Huron, Mich.—The City Commissioners are considering the question of issuing $100,000 in bonds, the proceeds to be used for the construction of a high school.

Saginaw, Mich.—Cowles & Mutscheller, Arch., Chase Bldg., is preparing plans for the construction of a three-story lodge for the Eagles Temple. Estimated cost, $60,000. L. M. Lempke, North Franklin St., is interested.

Chicago, Ill.—The West Chicago Park Commissioners, Union Park, contemplate the construction of a two-story fieldhouse containing a gymnasium and swimming pool. Estimated cost, $150,000.

Chicago, Ill.—Plans are being prepared by Shattuck & Hussey, Arch., 19 South La Salle St., for the construction of a five-story, 43x150-ft. Y. W. C. A. building. The estimated cost is $100,000. Mrs. Thomas J. Dee, 318 South Ashland Blvd., is Pres.

Chicago, Ill.—The Chicago Hebrew Institute, 1258 West Taylor St., will construct an administration and school building, to cost about $300,000. Jacob M. Loeb is Pres.

Chicago, Ill.—Kusel & Harris, 30 North La Salle St., has purchased a site at 5746 Prairie Ave. for the construction of a theater and office building. Estimated cost, $65,000. Noted Sept. 17.

Chicago, Ill.—Thomas D. O'Hern, 4751 Champlain Ave., plans to construct an apartment house at 56th St. and Drexel Ave. The estimated cost is $75,000.

El Paso, Ill.—The Board of Education contemplates the construction of a $60,000 high school. F. B. Stitt is Pres. and Aaron T. Simmons, 401 First National Bank Bldg., Bloomington, is Arch.

✚Palestine, Ill.—(Official)—H. B. KRAUEL, Danville, has been awarded the contract for the construction of a two-story high school. Estimated cost, $50,000. Hewitt & Emerson, 321 West Main St., Peoria, is Arch. Noted May 6.

Rock Island, Ill.—Bids will soon be received by the County Board of Supervision for the construction of a city and county jail. Estimated cost, $75,000. C. D. McLane, 301 Robinson Bldg., is Arch. Noted Mar. 4 and Apr. 29.

Stevens Point, Wis.—Plans are being prepared by Van Ryn & De Gelleke, 726 Caswell Blk., Milwaukee, for the construction of a three-story dormitory for women at the Stevens Point Normal School. The estimated cost is $85,000. William Kittle, Madison, is Secy., Bd. of Normal Regents. Noted Jan. 14.

Wausau, Wis.—The Wausau Hospital, recently incorporated, plans to construct a hospital. Otto C. Lemke is interested.

Ft. Dodge, Iowa—C. P. Bratnober, Waterloo, plans to construct an eight-story, 100x140-ft. building on Central Ave. between 10th and 11th St. The estimated cost is $220,000.

Hibbing, Minn.—Plans are being prepared by Halstead & Sullivan, Arch., 410 Palladio Bldg., Duluth, for the construction of a two-story, 90x120-ft. courthouse. The estimated cost is $125,000. D. D. Haley is Clk. Noted Dec. 31.

✚Kenyon, Minn.—(Official)—The STANDARD CONSTRUCTION CO., Minneapolis, at $45,230, has been awarded the contract for the construction of a two-story school. J. C. E. Holmen is Clk., Bd. of Education. Noted Jan. 14 and May 6.

Milaca, Minn.—(Official)—Bids will be received about June 1 by Kirby T. Snyder, Arch., Plymouth Bldg., Minneapolis, for the construction of a high school. The estimated cost is $70,000. Noted Apr. 29.

Proctor, Minn.—Bids will soon be received for the construction of a two-story high school to cost about $50,000. Vernon J. Price & Co., 608 Palladio Bldg., Duluth, is Arch. Noted Feb. 25.

Hayti, S. D.—Plans are being prepared by Rose & Peterson, Arch., Barker Bldg., Kansas City, Kan., for the construction of a three-story courthouse and jail for Hamlin County. The estimated cost is $70,000.

Ellendale, N. D.—G. R. Horton, Arch., Jamestown, is preparing plans for the construction of a fireproof grade and high school. The estimated cost is $45,000.

Havre, Mont.—Bids will be received until May 24 by the Commissioners of Hill County for the construction of a courthouse and jail. The estimated cost is $125,000. J. H. De Vine is Clk. of Bd. and F. F. Bossout is Arch. Noted Dec. 31 and Apr. 29.

Little Rock, Ark.—Frank M. Blaisdell,, Arch., Bankers' Trust Bldg., has prepared plans for the construction of buildings at Prospect Ave. for the Little Rock College. About $100,000 will be expended this year.

Austin, Tex.—An election will be held about June 2 to vote on the question of issuing $250,000 in bonds. The proceeds will be used for the construction of public schools.

✚Cleburne, Tex.—The City School Board has awarded the contract for the construction of schools at Cleburne to H. D. McCOY, at $96,672. Noted Mar. 25.

Cleveland, Tex.—The citizens have voted in favor of issuing $40,000 in bonds, the proceeds to be used for the construction of a school.